Analog Switch
Selector Guide

Vishay Siliconix
2201 Laurelwood Road
P.O. Box 54951
Santa Clara, CA 95056
Phone: +1 408 988 8000
Fax: +1 408 567 8950
www.vishay.com

NOTICE

The information in this catalog has been carefully checked for accuracy, and though it is believed to be correct, no warranty, either express or implied, is made as to either its applicability to, or its compatibility with, specific requirements; nor does Vishay Intertechnology, Inc. and its affiliates assume any responsibility for correctness of this information, nor for damages consequent to its use.

All such printed materials are not legally binding unless confirmed in writing pursuant to §§463 and 480 11 of the German Code of Civil Law.

Warning Regarding Life Support Applications

Not all products listed in this catalog are generally recommended for use in life support systems where a failure or malfunction of the component may directly threaten life or cause injury.

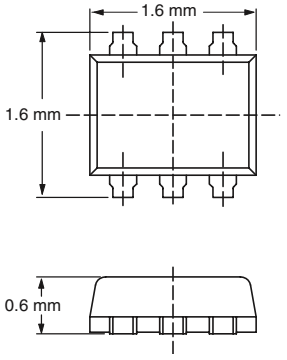
The user of products in such applications assumes all risks of such use and will agree to hold Vishay Intertechnology, Inc. and all the companies whose products are represented in this catalog, harmless against all damages.

Featured Products

ANALOG SWITCH IN OUR SMALLEST PACKAGE

DG2011DX

- Ultra small SC-89 package (1.6 mm x 1.6 mm)
- Save over 40% in space compared with equivalent parts in SC-70 SPDT
- Low r_{ON} of 1.8 ohms @ 3 V
- High switch speed
- Low charge injection
- Low voltage, V+ ranges from 2 V to 6 V
- Low power, 30 pA/typ I+



POPULAR INDUSTRY-STANDARDS GET AN UPGRADE

DG411HS Series

- Improved switch speed
- Improved off-isolation & crosstalk
- Available in new QFN package
- Available MIL-STD-883B qualified
- Pin-for-pin upgrade to original DG411 Series

DG417B Series

- Reduced on-resistance
- Improved switch speed
- Reduced charge injection
- Available in new MSOP package
- Available MIL-STD-883B qualified
- Pin-for-pin upgrade to original DG417 Series

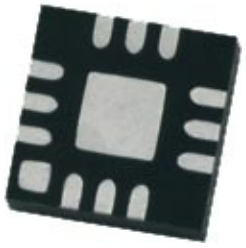
Switch Speed	t_{ON} (ohms) Typ.	t_{OFF} (ohms) Typ.
DG411HS/412HS/413HS	**68**	**42**
DG411/412/413	110	100

On-Resistance	r_{ON} (ohms) Typ.	r_{ON} (ohms) Max
DG417B/418B/419B	15	25
DG417/418/419	20	35

INDUSTRY'S FIRST DUAL SPDT ANALOG SWITCH AND FOUR-TO-ONE MULTIPLEXER IN QFN-12

DG2032 is a dual SPDT analog switch featuring a low on-resistance of 3 ohms at 2.7 V, with wide dynamic performance better than -80 dB for both crosstalk and off-isolation at 1 MHz.

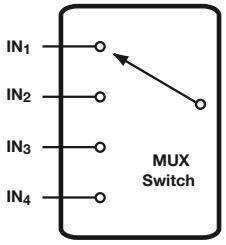
With its fast switching speeds (25-ns turn-on, 13-ns turn-off), low on-resistance, high bandwidth, and low charge injection, the DG2032 is well suited for switching a wide range of audio and video signals.



The **DG2034** 4:1 analog multiplexer offers low on-resistance of 4 ohms and off-isolation and crosstalk of -55 dB at 10 MHz. The turn-on time is fast at 25 ns.

The DG2034 is available in either QFN-12, or the MSOP-10 package.

Unlike other small analog switches aimed at audio only, these parts cater to the needs of both audio and higher-speed analog signal switching. Ideal for port sharing/ extension, data acquisition, PC Cards (PCMCIA), audio/ video signal routing, speaker/headset switching, and similar applications. Aimed at end products such as cell phones, digital cameras, PDAs, MP3 players, and handheld test and health care equipment.

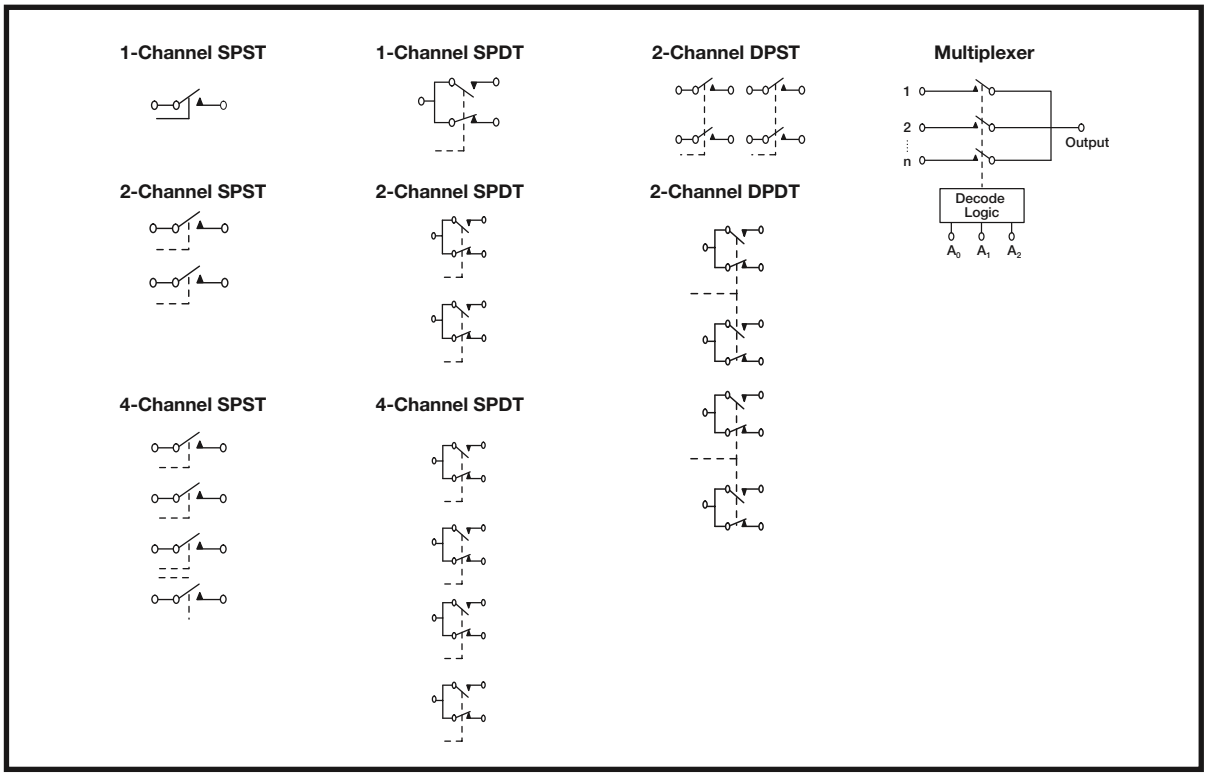


About Analog Switches

Analog switches (and multiplexers) are available as a family covering single through multiple switch elements, and in a variety of packages to best suit customer application needs.

The simplest switch (an SPST shown below) can connect or disconnect one analog signal, under the command of a digital control input. More complex switches control the selection of one-of-many separate inputs that connect to a single output, under command of multiple digital control inputs. Analog switches are named to match the mechanical switches that they can replace. In addition to electrical switch configurations, analog switches are supplied packaged as single, dual, quad or MUX (multiplexer) devices, within a range of innovative and industry-standard IC packages.

Analog Switch Configurations



Analog Switch Performance

Analog switches trade analog signal performance against size, power supply voltage, multiple switch complexity, and cost. Vishay-Siliconix analog switches emphasize performance, while offering variety and flexibility.

Key specs for analog switches are:

Parameter	Definition	Indicator	Vishay-Siliconix Specs
On-resistance (r_{ON})	Resistance of the closed switch path	Lower is better	0.25 ohms < r_{ON} < 10 ohms
Supply Voltage (V_{SUPPLY})	Voltage to energize analog switch circuit	Must be bigger than signal amplitude	1.6 volts < V_{SUPPLY} < 44 volts
Bandwidth (BW)	AC performance of the on-state switch	Higher is better	DC < BW < 500 MHz
Charge Injection (Q_{inj})	Disturbance to signal from control input	Lower is better	Q_{inj} < 50 pC
Isolation (OIRR)	AC performance of the off-state switch	Higher is better	40 dB < OIRR < 80 dB
Speed (t_{ON})	Response time to switch control inputs	Faster is better	t_{ON} < 50 nsec

How to Choose the Right Analog Switch

Four parameters define an Analog switch: Configuration, On-Resistance, Supply Voltage, and Package. While not all switches can exist in every category, the Vishay products do cover a very wide range from SPST to MUX (Multiplexers) with sixteen input configurations, Sub-one-ohm performance, low-voltage 1.6V logic compatible to forty volt operation, and small-size surface mount packages up to legacy DIP, PLCC, or SOIC packages.
For new designs there are a couple of important questions that quickly narrow the choices. From here the selector tables in this guide will give a range of suitable candidates, which can be further described by reading the latest individual data sheets, downloaded from this web page: ***http://www.vishay.com/analog-switches*.**

Choose a switch configuration

- Do you need a SPST or an SPDT?
- Would a 1-Channel switch suit your application, or would a 2-Channel or 4-Channel switch add value?

What supply voltage(s) do you have available and what is the analog voltage range of the signal to be switched?

- If you have ±3 volt analog signal, you can choose from one of the high voltages switches or a low voltage switch. There are certain performance advantages with using a low voltage analog switch when the signal range is at the lower end. High voltage analog switches are optimized when used with a +15-volt supply

What type of performance do you need?

- On-resistance?
- Leakage?
- Switch speed?
- Capacitance?

What type of interface will drive the switch control pin?

- TTL?
- CMOS?
- Or low voltage logic?

You may need to choose a switch with a Logic Supply Pin (VL) to help match switching voltage threshold

Is package size an issue?

- Most analog switches are offered in a number of different package options. A 4-Channel SPST may have any number of the following 16 pin packages: PDIP, SOIC, TSSOP, QFN, PLCC
- Low voltage switches are available in some of the smallest packages in the industry: SC-89, SC-70, TSOP, MSOP, QFN, MICRO FOOT

TECHNICAL SUPPORT AND SAMPLES

Application engineers are available by phone or email to discuss specific needs. Samples are available for final design confirmation or prototype evaluations. Requests for samples should be made to local Sales Offices, or order on line. (See page 11).

HOW TO USE THIS SELECTOR GUIDE

Data tables in this Selector Guide are arranged to narrow the choices of available switches.

Available devices are grouped by configuration (SPST, DPDT, MUX, etc.) in tables starting on page 14.

To find data for a known part number use the tables starting on page 23. If the table does not include a known part number, use the search feature on the web page, or contact your local Vishay sales office (see the back cover) for assistance.

The table on page 13 describes available surface mount packages. Older products are still available in Dual In Line packages for legacy applications see the latest data sheets for availability. Vishay is currently converting all packages to Lead-Free and Green materials. As Lead-Free parts are made available the latest data sheets are presented on the web site. Part Numbers for Lead-Free versions end in '-E3'.

***http://www.vishay.com/analog-switches*.**

Overview of Website

Getting the Most Out of Your Selection and Design Process

This Selector Guide is organized by functionality, breakdown voltage, and on-resistance. There is also an alphanumerically ordered listing with specifications. Although this Selector Guide is a convenient way to view the entire Vishay Siliconix analog switch portfolio, we highly recommend that you visit our website, that is refreshed at least weekly, for the most up to date information.

Additionally, the power of the web allows us to enhance your selection and design-in process. Clicking on the function, key specifications and size of the analog switch that you are looking for will give you a list of possible datasheets integrated with a table of key specifications. From here you can click on any of the datasheets and "bundle" it with the related documents and drawings that you will need such as package, tape and reel and pad drawings, reliability information, and part marking.

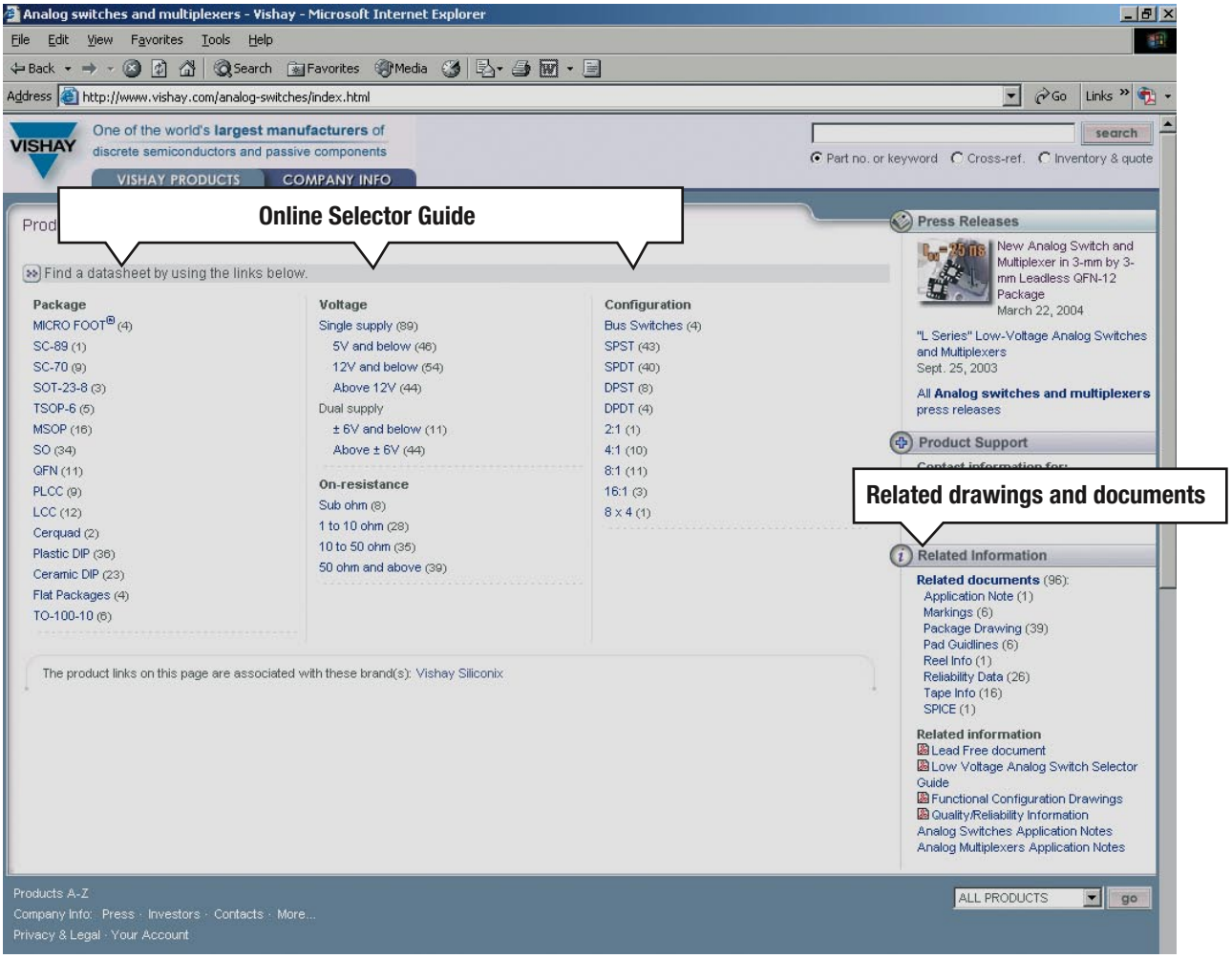
Other web information includes functional configuration drawings, application notes, and lead-free information. Further, samples can be ordered and technical questions can be asked through the website.

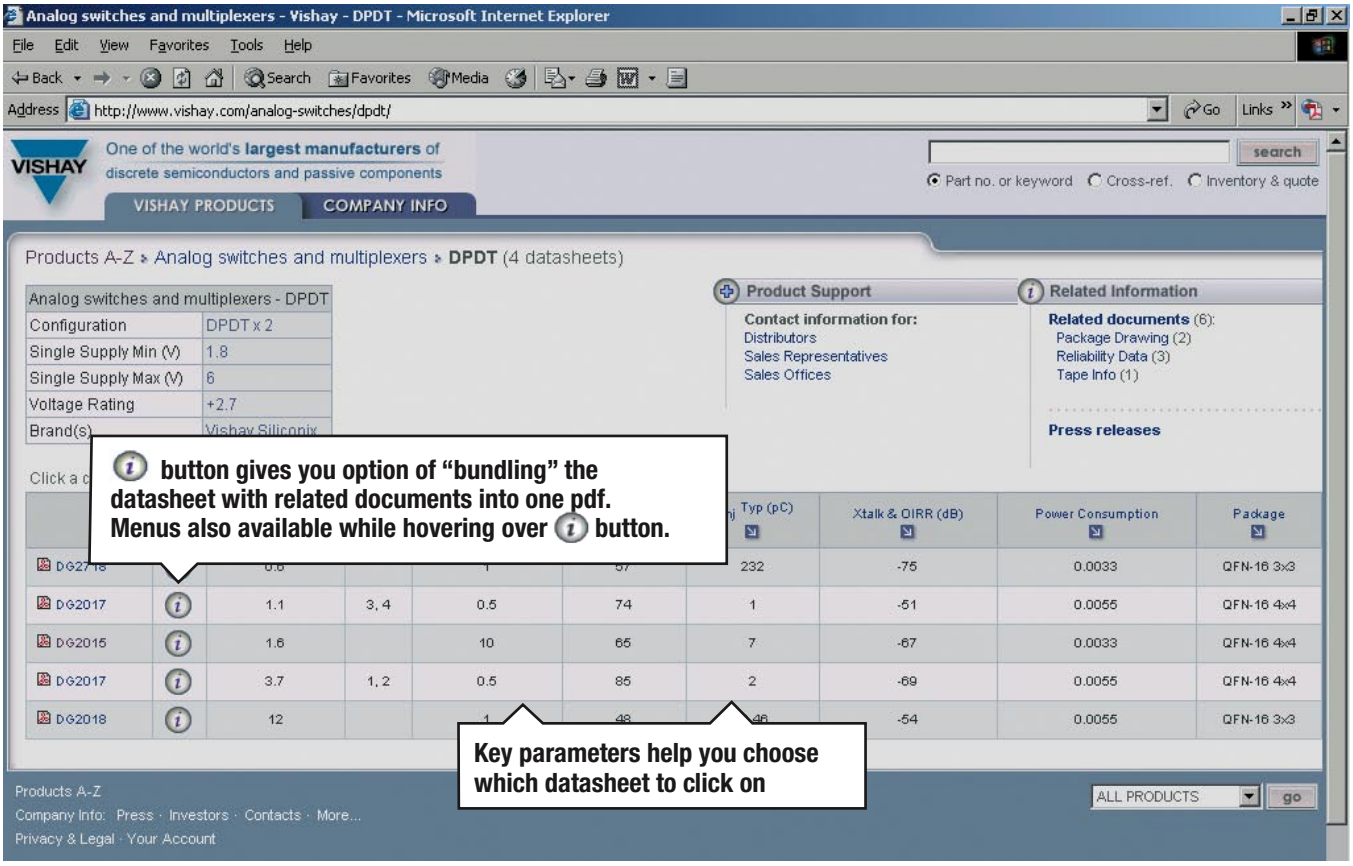
Please take the time to review our web features over the next few pages, and visit ***http://www.vishay.com/analog-switches.***

Learn more about
http:www.vishay.com/analog-switches

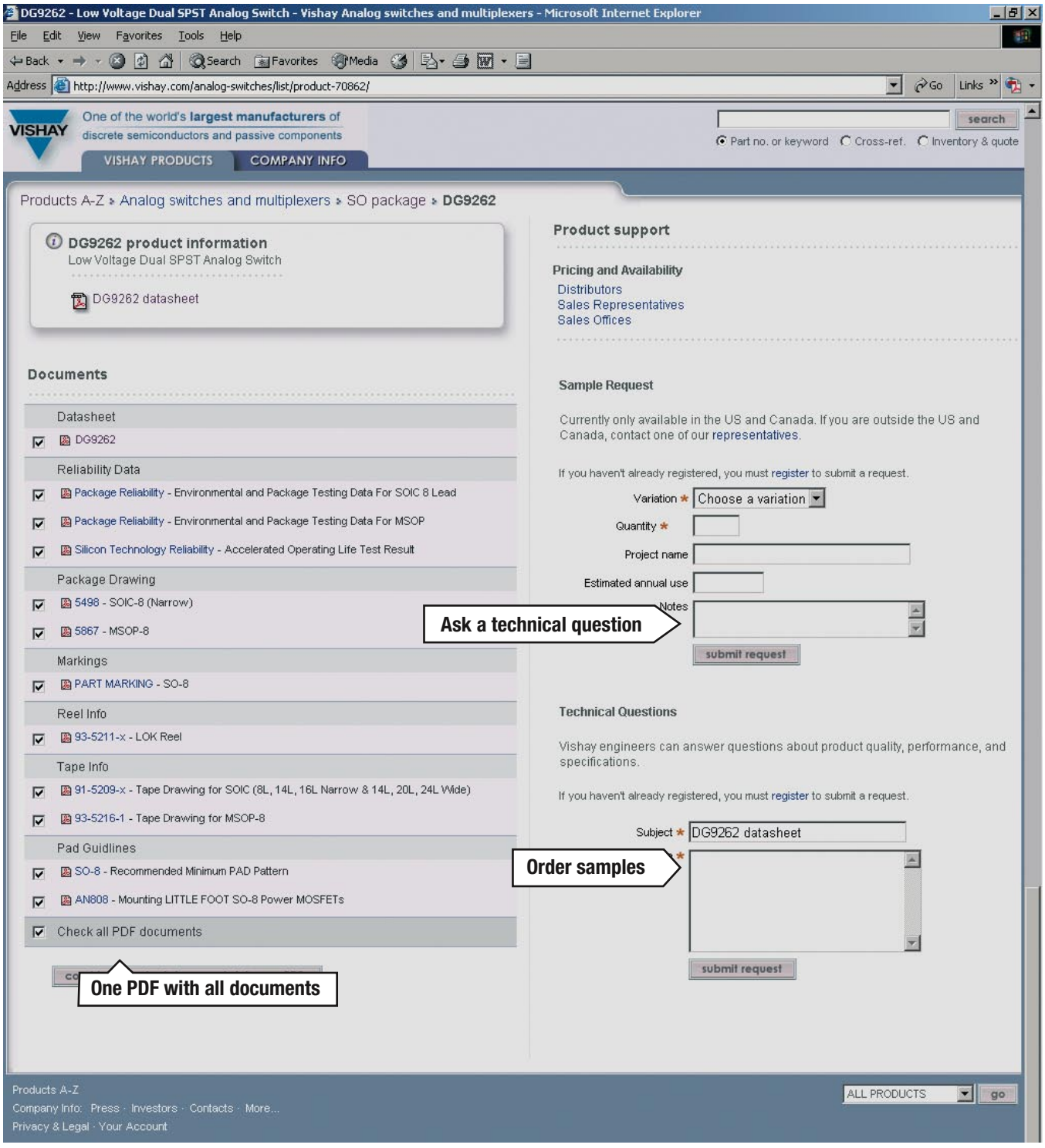
Check out http://www.vishay.com/analog-switches

- **New features**
- **More content**
- **Refreshed weekly**




Analog switches and multiplexers - Vishay - DPDT - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.vishay.com/analog-switches/dpdt/
Go Links
VISHAY
One of the world's largest manufacturers of discrete semiconductors and passive components
search
Part no. or keyword Cross-ref. Inventory & quote
VISHAY PRODUCTS COMPANY INFO
Products A-Z » Analog switches and multiplexers » DPDT (4 datasheets)
Analog switches and multiplexers - DPDT
Configuration DPDT x 2
Single Supply Min (V) 1.8
Single Supply Max (V) 6
Voltage Rating +2.7
Brand(s) Vishay Siliconix
Product Support
Contact information for:
Distributors
Sales Representatives
Sales Offices
Related Information
Related documents (6):
Package Drawing (2)
Reliability Data (3)
Tape Info (1)
Press releases
button gives you option of "bundling" the datasheet with related documents into one pdf. Menus also available while hovering over button.
Typ (pC)
Xtalk & OIRR (dB)
Power Consumption
Package
DG2018 1.1 3, 4 0.5 74 1 -75 0.0033 QFN-16 3x3
DG2017 1.1 3, 4 0.5 74 1 -51 0.0055 QFN-16 4x4
DG2015 1.6 10 65 7 -67 0.0033 QFN-16 4x4
DG2017 3.7 1, 2 0.5 85 2 -69 0.0055 QFN-16 4x4
DG2018 12 1 48 46 -54 0.0055 QFN-16 3x3
Key parameters help you choose which datasheet to click on
Products A-Z
Company Info: Press · Investors · Contacts · More...
Privacy & Legal · Your Account
ALL PRODUCTS go

* V_{GS} = 5.0 V


DG9262 - Low Voltage Dual SPST Analog Switch - Vishay Analog switches and multiplexers - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.vishay.com/analog-switches/list/product-70862/
One of the world's largest manufacturers of discrete semiconductors and passive components
VISHAY PRODUCTS
COMPANY INFO
search
Part no. or keyword
Cross-ref.
Inventory & quote
Products A-Z » Analog switches and multiplexers » SO package » DG9262
DG9262 product information
Low Voltage Dual SPST Analog Switch
DG9262 datasheet
Documents
Datasheet
DG9262
Reliability Data
Package Reliability - Environmental and Package Testing Data For SOIC 8 Lead
Package Reliability - Environmental and Package Testing Data For MSOP
Silicon Technology Reliability - Accelerated Operating Life Test Result
Package Drawing
5498 - SOIC-8 (Narrow)
5867 - MSOP-8
Markings
PART MARKING - SO-8
Reel Info
93-5211-x - LOK Reel
Tape Info
91-5209-x - Tape Drawing for SOIC (8L, 14L, 16L Narrow & 14L, 20L, 24L Wide)
93-5216-1 - Tape Drawing for MSOP-8
Pad Guidlines
SO-8 - Recommended Minimum PAD Pattern
AN808 - Mounting LITTLE FOOT SO-8 Power MOSFETs
Check all PDF documents
One PDF with all documents
Product support
Pricing and Availability
Distributors
Sales Representatives
Sales Offices
Sample Request
Currently only available in the US and Canada. If you are outside the US and Canada, contact one of our representatives.
If you haven't already registered, you must register to submit a request.
Variation * Choose a variation
Quantity *
Project name
Estimated annual use
Notes
Ask a technical question
submit request
Technical Questions
Vishay engineers can answer questions about product quality, performance, and specifications.
If you haven't already registered, you must register to submit a request.
Subject * DG9262 datasheet
Order samples
submit request
Products A-Z
Company Info: Press · Investors · Contacts · More...
Privacy & Legal · Your Account
ALL PRODUCTS
go

Technology and Applications

Vishay Siliconix operates several different semiconductor processes in their facilities. This allows the Analog Switch products to use the best match of IC design, wafer manufacturing, and packaging to meet the customer's needs and budget.

It also means that analog switches can be produced with widely different performance specifications. For example, low-voltage low-on-resistance switches for battery portable application compared with high-voltage moderate-on-resistance switch arrays for other applications.

Recent development of high-density CMOS processes can deliver low 'ON' resistance switches in very small footprint packages, while operating from typical battery voltages of 3.6 V. Devices will safely operate directly from battery voltage during charging (up to 4.2 V, device limit is 5.5 V). In other applications these devices are ideal when powered from an LDO or PMIC, with supply voltages down to 1.6 V.

For example: DG2535DQ r_{ON} : 0.35 ohms @ 2.7 V, Dual SPDT in MSOP-10 footprint.

Industry-standard analog switch arrays first introduced by Siliconix many years ago have been given a facelift, and are available in 'B Suffix' versions that adopt new process technology. These switches are typically used in precision test and measurement, industrial, or medical equipment, where large amplitude signals must pass undistorted through relatively low-ohm high-speed switches. For example: The newly designed DG419BDY (SOIC8) and DG419BDQ (MSOP8) SPDT are 15 ohm for up to ±15 V signal operation.

At the other end of the spectrum is the recently released DG3525DQ (and DG3526DQ with inverted logic) a Dual SPDT sub-one-ohm and very low voltage (0.25 ohms @ 2.7 V) in a Chipscale MICRO FOOT® package. The switches feature excellent matching (0.05 ohms) and outstanding linearity (0.2 ohms) for such a low voltage supply.

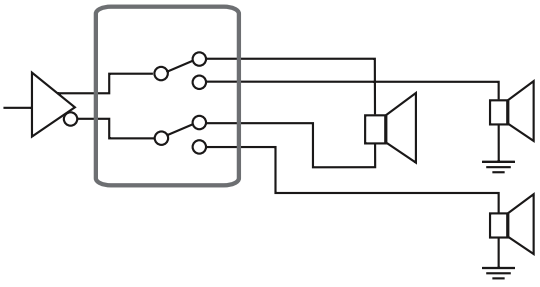
ANALOG SWITCH ICs COVER APPLICATIONS FROM BATTERY PORTABLE PRODUCTS TO COMPLEX INDUSTRIAL, TEST, OR MEDICAL SYSTEMS

Battery Portable Products

When products operate from battery power, circuit designs require very low power consumption and compatibility with low voltage supplies. Typically, analog switches are used for audio signal routing (for example, the selection of either "hands-free" headset or internal speaker and microphone in a cellular phone), where low 'ON' resistance is required.

Vishay Siliconix offers several low voltage (1.6 V to 5 V) operation analog switches with less than one ohm 'ON' resistance.

Space is also a premium in portable handheld applications, so analog switches are available in very small footprint (SC-89) for single switches, or space-saving QFN and MSOP packages where larger pin counts are required.

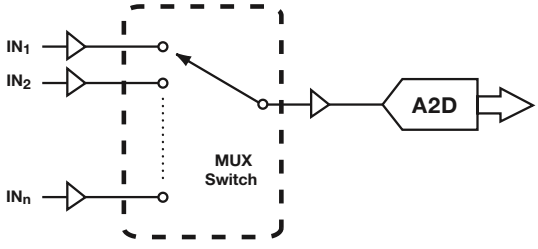


Typical cellphone application adds hands-free operation

Test & Measurement and Medical Systems

Analog switches are found in most analog sensor systems for signal selection upstream of other signal conditioning (filtering, gain adjustment) and connection to analog-to-digital (A2D) converters. In these applications the incoming signals are kept at large amplitude, or may have DC offsets, or polarity above and below ground, requiring a high performance analog switch operating from up to 44 V (total) supply. Many of the industry standard parts pioneered by Siliconix are still available in newer IC processes (with better than original specs and lower cost), and the bonus of either internally set or user adjustable control input logic levels (for easy interface to common logic families).

Single Analog Switches and arrays (up to sixteen switches) are available for multiple inputs MUX (multiplexing) service.



MUX switches expand data collection over many input channels

Packaging Information

Power MOSFET Packages*		Max Length (mm)	Max Width (mm)	Max Footprint Area (mm^2)	Max Height (mm)
SO-16		10	6.2	62	1.75
SO-8		5	6.2	31	1.75
TSSOP-16		5.1	6.45	32.9	1.04
TSSOP-8		3.1	6.6	20.46	1.2
MSOP-10		3	4.9	14.7	1.1
MSOP-8		3	4.9	14.7	1.1
QFN-16 4X4		4	4	16	1
QFN-16 3X3		3	3	9	1
QFN-12 3X3		3	3	9	1
TSOP-6		3.1	2.98	9.24	1.1
SOT-23-8		3	3	9	1.45
SC-70		2.2	2.4	5.28	1.1
SC-89		1.7	1.7	2.89	0.6
MICRO FOOT 4X4		2.02	2.02	4.08	0.75
MICRO FOOT 4X3		2.02	1.52	3.07	0.75
MICRO FOOT 2X3		1.59	1.09	1.72	0.72

* To view drawings of any of the products above in PDF form, go to ***http://www.vishay.com/mosfets/tapereel-package-list***

Analog Switch Family Series

This selector guide is sorted by configuration, then by maximum single supply voltage, then r_{ON}. An alphanumeric listing by product number follows it. The following identifies family series:

DG2xx, DG3xx, DG4xx,

- Suitable for ±5- to ±15-V applications (44 V/max)
- CMOS rail-to-rail operation with latch prevention design
- For signal routing, sample and hold, filtering, and signal generation
- Comprehensive offering with leading performance in industry

DG6xx

- Ultra-low charge injection and parasitic capacitance
- High speed and bandwidth

DG4xxL

- Single and dual power rail capable, ±2.7 V to ±6 V, or 2.7 V to 12 V
- Low voltage companion to DG4xx with improved performance

DG94xx

- High accuracy low r_{ON} (2 to 4 ohms) switch, low charge injection
- Single and dual power rails capable
- Optimized for ±5 V operation
- Low voltage logic compatible over the full operation voltage

DG20xx/25xx

- Industry leading 1.8 to 5.5 V family
- High speed, low r_{ON}, low leakage and switching noise
- High bandwidth

DG27xx

- Lowest operation voltage range in the industry (1.6 to 3.6 V)
- Ultra low r_{ON} (< 0.5 ohms @ 2.7 V), and fast speed

DG3xxx

- Wafer level CSP version of DG2xxx

DG23xx

- High speed bus switches

Products by Configuration

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
Bus Switch													
DG2301	3.5	5.5			7	+4.5		2.5			0.0055	DL	SC70-5
DG2302[a]	3.5	5.5			7	+4.5		2.5			8.25	DL	SC70-5
DG3157	1.8	6			6	+4.5						DL	SC70-6
DG2303	1.6	6			9	+3.0		2.5	0.5	-50	0.0055	DL	SC70-5
Cross-Point, 8 x 4													
DG884	10	18	10	15	90	+15/-3	20	300	-100	-80	54	DN	PLCC-44
MUX, 2:1 x 2													
DG9415	2.7	12			56	+4.5	1	77	6	-60	0.005	DQ	MSOP-10
MUX, 4:1 x 1													
DG2034	1.8	6			7	+2.7	1	30	-4.4	-77	0.0055	DQ	MSOP-10
DG2034	1.8	6			7	+2.7	1	30	-4.4	-77	0.0055	DN	QFN-12 3x3
DG9414	2.7	12			56	+4.5	1	77	6	-60	0.005	DQ	MSOP-10
DG534A[b]	10	18	10	15	90	+15/-3	5	300	-70	-90	31	DJ	Plastic DIP-20
DG534A[b]	10	18	10	15	90	+15/-3	5	300	-70	-90	31	DN	PLCC-20
MUX, 4:1 x 2													
DG3409	3	12	2.7	6.5	7	+12	2	70	29	-85	0.012	DB	MICRO FOOT 4x4
DG9409	2.7	12	2.7	6.5	10	+4.5	15	70	29	-70	0.012	DN	QFN-16 4x4
DG409L	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DY	SO-16 (Narrow)
DG409L	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DQ	TSSOP-16
DG409	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DJ	Plastic DIP-16
DG409	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DY	SO-16 (Narrow)
DG409	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DQ	TSSOP-16
DG429[d]	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DN	PLCC-20
DG429[d]	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DW	SO-18 (Wide)
DG529[d]	13	36	7	22	450	±15	5	1000	4	-50	60	CJ	Plastic DIP-18
DG459[c]	13	36	7	22	1500	±15	1	500	-20	-60	3	DJ	Plastic DIP-16
MUX, 8:1 x 1													
DG3408	3	12	2.7	6.5	7	+12	2	70	29	-85	0.012	DB	MICRO FOOT 4x4
DG9408	2.7	12	2.7	6.5	10	+4.5	15	70	29	-70	0.012	DN	QFN-16 4x4
DG408L	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DY	SO-16 (Narrow)
DG408L	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DQ	TSSOP-16
DG485	13	36	7	22	85	±15	1	200	17	-80	4.5	DJ	Plastic DIP-18
DG485	13	36	7	22	85	±15	1	200	17	-80	4.5	DN	PLCC-20
DG408	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DJ	Plastic DIP-16

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
MUX, 8:1 x 1, continued													
DG408	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DY	SO-16 (Narrow)
DG408	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DQ	TSSOP-16
DG428[d]	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DN	PLCC-20
DG528[d]	13	36	7	22	450	±15	5	1000	4	-50	60	CJ	Plastic DIP-18
DG528[d]	13	36	7	22	450	±15	5	1000	4	-50	60	DN	PLCC-20
DG458[c]	13	36	7	22	1500	±15	1	500	-20	-60	3	DJ	Plastic DIP-16
MUX, 8:1 x 2													
DG407B	7.5	36	5	22	60	±15						DJ	Plastic DIP-28
DG407B	7.5	36	5	22	60	±15						DN	PLCC-28
DG407B	7.5	36	5	22	60	±15						DW	SO-28 (Wide)
MUX, 16:1 x 1													
DG535[e]	7.5	18			90	+15	10	300	-35	-70	7.5	DJ	Plastic DIP-28
DG536[e]	7.5	18			90	+15	10	300	-35	-100	7.5	DN	PLCC-44
DG406B	7.5	36	5	22	60	±15						DJ	Plastic DIP-28
DG406B	7.5	36	5	22	60	±15						DN	PLCC-28
DG406B	7.5	36	5	22	60	±15						DW	SO-28 (Wide)
SPST x 1, NC													
DG3002	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2
DG9421	2.7	12	2.7	6.5	3	± 4.5	1	110	1	-60	0.024	DV	TSOP-6
DG417L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG417L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)
DG417B	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DQ	MSOP-8
DG417B	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DJ	Plastic DIP-8
DG417B	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DY	SO-8 (Narrow)
SPST x 1, NO													
DG3001	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2
DG9422	2.7	12	2.7	6.5	3	± 4.5	1	110	1	-60	0.024	DV	TSOP-6
DG418L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG418L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)
DG418B	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DQ	MSOP-8
DG418B	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DJ	Plastic DIP-8
DG418B	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DY	SO-8 (Narrow)
SPST x 2, NC													
DG2742	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPST x 2, NC, continued													
DG2742	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2004	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG2038	1.8	6			6	+2.7	1	30	1	-67	0.0055	DQ	MSOP-8
DG2038	1.8	6			6	+2.7	1	30	1	-67	0.0055	DS	SOT-23-8
DG9232	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9432	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8
DG9232	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9432	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
DG9262	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9262	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG381B	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-14
DG200B	13	36	7	22	85	±15	2	1000	1	-75	0.9	DJ	Plastic DIP-14
SPST x 2, NO													
DG2741	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8
DG2741	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2003	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG2037	1.8	6			6	+2.7	1	30	1	-67	0.0055	DQ	MSOP-8
DG2037	1.8	6			6	+2.7	1	30	1	-67	0.0055	DS	SOT-23-8
DG9233	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9433	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8
DG9233	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9433	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
DG9263	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9263	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG401	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16
DG300B	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG304B	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14
SPST x 2, Comp													
DG2743	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8
DG2743	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2005	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG2039	1.8	6			6	+2.7	1	30	1	-67	0.0055	DQ	MSOP-8
DG2039	1.8	6			6	+2.7	1	30	1	-67	0.0055	DS	SOT-23-8
DG9434	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPST x 2, Comp, continued													
DG9434	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
SPST x 4, NC													
DG2041	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2041	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG9424	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16
DG441L	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DY	SO-16 (Narrow)
DG441L	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DQ	TSSOP-16
DG411L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG411L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG611[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG611[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)
DG411	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG411	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG411HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG411HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG411HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)
DG271B	13	36	7	22	50	±15	1	65	-5	-50	200	CJ	Plastic DIP-16
DG271B	13	36	7	22	50	±15	1	65	-5	-50	200	DY	SO-16 (Narrow)
DG444B	13	36	7	22	80	±15						DJ	Plastic DIP-16
DG444B	13	36	7	22	80	±15						DN	QFN-16 4x4
DG441B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DJ	Plastic DIP-16
DG441B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DN	QFN-16 4x4
DG441B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DY	SO-16 (Narrow)
DG444B	13	36	7	22	80	±15						DY	SO-16 (Narrow)
DG201B	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DK	Ceramic DIP-16
DG201B	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DY	SO-16 (Narrow)
DG201B	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DJ	Plastic DIP-16
DG201B	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DQ	TSSOP-16
DG201HS	13	36	7	22	85	±15	1	60	-5	-60	240	DJ	Plastic DIP-16
DG201HS	13	36	7	22	85	±15	1	60	-5	-60	240	DY	SO-16 (Narrow)
DG201HS	13	36	7	22	85	±15	1	60	-5	-60	240	DQ	TSSOP-16
DG211B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DJ	Plastic DIP-16
DG211B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DY	SO-16 (Narrow)
DG211B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DQ	TSSOP-16

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPST x 4, NC													
DG309B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DJ	Plastic DIP-16
DG309B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DY	SO-16 (Narrow)
DG309B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DQ	TSSOP-16
DG445	13	36	7	22	85	±15	0.5		1	-60	0.045	DJ	Plastic DIP-16
DG445	13	36	7	22	85	±15	0.5		1	-60	0.045	DY	SO-16 (Narrow)
SPST x 4, NO													
DG2042	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2042	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG9425	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16
DG412L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG412L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG442L	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DY	SO-16 (Narrow)
DG442L	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DQ	TSSOP-16
DG641[b]	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-16
DG641[b]	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DY	SO-16 (Narrow)
DG612[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG612[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)
DG540[b]	10	18	10	15	60	+15/-3	10	70	-25	-90	180	DJ	Plastic DIP-20
DG540[b]	10	18	10	15	60	+15/-3	10	70	-25	-90	180	DN	PLCC-20
DG541[b]	10	18	10	15	60	+15/-3	10	130	-25	-70	180	DJ	Plastic DIP-16
DG541[b]	10	18	10	15	60	+15/-3	10	130	-25	-70	180	DY	SO-16 (Narrow)
DG412	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG412	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG412HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG412HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG412HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)
DG202B	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DK	Ceramic DIP-16
DG202B	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DJ	Plastic DIP-16
DG202B	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DY	SO-16 (Narrow)
DG202B	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DQ	TSSOP-16
DG442B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DJ	Plastic DIP-16
DG442B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DN	QFN-16 4x4
DG442B	13	36	7	22	80	±15	0.5	300	4	90	0.03	DY	SO-16 (Narrow)
DG445B	13	36	7	22	80	±15						DJ	Plastic DIP-16

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPST x 4, NO, continued													
DG445B	13	36	7	22	80	±15						DN	QFN-16 4x4
DG445B	13	36	7	22	80	±15						DY	SO-16 (Narrow)
DG308B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DJ	Plastic DIP-16
DG308B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DY	SO-16 (Narrow)
DG308B	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DQ	TSSOP-16
DG212B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DJ	Plastic DIP-16
DG212B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DY	SO-16 (Narrow)
DG212B	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DQ	TSSOP-16
DG444	13	36	7	22	85	±15	0.5	250	1	-60	0.045	DJ	Plastic DIP-16
DG444	13	36	7	22	85	±15	0.5	250	1	-60	0.045	DY	SO-16 (Narrow)
DG442	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DJ	Plastic DIP-16
DG442	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DY	SO-16 (Narrow)
SPST x 4, Comp													
DG2043	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2043	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG9426	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16
DG413L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG413L	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG413	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG413	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG413HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG413HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG413HS	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)
DG213	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DJ	Plastic DIP-16
DG213	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DY	SO-16 (Narrow)
DG213	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DQ	TSSOP-16
SPST x 4, Latch													
DG221B	13	18	7	18	90	±15	5	550	20	-60	37	DJ	Plastic DIP-16
DG221B	13	18	7	18	90	±15	5	550	20	-60	37	DY	SO-16 (Narrow)
SPDT x 1													
DG2714	1.6	4			1.2	+2.7	1	51	9	-64	0.003	DL	SC70-6
DG3003	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2
DG2020	1.8	6			2[f]	+2.7	5	6000	5	-50	0.0055	DV	TSOP-6
	1.8	6			3.2[g]	+2.7	5	6000	5	-50	0.0055	DV	TSOP-6

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPDT x 1, continued													
DG2012	1.8	6			2.1	+2.7	0.5	38	20	-63	0.0055	DL	SC70-6
DG2011	1.8	6			2.7	+2.7	10	75	9	-65	0.0055	DX	SC89-6 (SOT-666)
DG3000	1.8	6			4.1	+2.7	1	49	38	-60	0.0055	DB	MICRO FOOT 3x2
DG2001	1.8	6			9	+2.7	0.9	45	10	-70	0.0055	DV	TSOP-6
DG2002	1.8	6			15	+2.7	0.25	31	10	-70	0.0055	DL	SC70-6
DG9411	2.5	6			35	+2.5	1	15	10	-70	0.0004	DL	SC70-6
DG4599	2.5	6			95	+2.7	1	30	10	-70	0.0055	DL	SC70-6
DG419L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG419L	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)
DG9431	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DY	SO-8 (Narrow)
DG9431	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DV	TSOP-6
DG9461	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DY	SO-8 (Narrow)
DG9461	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DV	TSOP-6
DG642[b]	10	18	10	15	8	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-8
DG642[b]	10	18	10	15	8	+15/-3	10	70	-19	-80	135	DY	SO-8 (Narrow)
DG419	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DJ	Plastic DIP-8
DG419	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DY	SO-8 (Narrow)
DG387B	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-14
DG301B	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
SPDT x 2													
DG3536	1.8	6					2	82	21	-69	0.003	DB	MICRO FOOT 4X3
DG3535	1.8	6			0.4	+2.7	2	82	21	-69	0.003	DB	MICRO FOOT 4X3
DG2535	1.8	6			0.5	+2.7	1	82	21	-69	0.003	DQ	MSOP-10
DG2536	1.8	6			0.5	+2.7	1	82	21	-69	0.003	DQ	MSOP-10
DG2532	1.8	6			0.6	+2.7	1	70	54	-69	0.0055	DQ	MSOP-10
DG2531	1.8	6			0.6	+2.7	1	70	54	-69	0.0055	DQ	MSOP-10
DG2131	1.8	6			0.75	+2.7	1	69	20	-69	0.003	DQ	MSOP-10
DG2031	1.8	6			0.75	+2.7	1	45	41	-71	0.0005	DQ	MSOP-10
DG2035	1.8	6			1	+2.7	2	58	4	-71	0.0055	DQ	MSOP-10
DG2016	1.8	6			4.8	+2.7	0.25	48	79	-82	0.005	DQ	MSOP-10
DG2026	1.8	6			4.8	+2.7	1	48	79	-82	0.0055	DQ	MSOP-10
DG2032	1.8	6			5	+2.7	1	53	38	-82	0.003	DN	QFN-12 3x3
DG643[b]	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-16

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Part Number	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ±(V)	Max Dual Supply ±(V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & OIRR @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
SPDT x 2, continued													
DG643[b]	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DY	SO-16 (Narrow)
DG613[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG613[b]	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)
DG542[b]	10	18	10	15	60	+15/-3	10	100	-25	-80	180	DJ	Plastic DIP-16
DG542[b]	10	18	10	15	60	+15/-3	10	100	-25	-80	180	DY	SO-16 (Narrow)
DG403	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16
DG403	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DY	SO-16 (Narrow)
DG303B	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG307B	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14
DG5043	13	36	7	22	50	±15	1	1200	30	-80	9	CJ	Plastic DIP-16
DG390B	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-16
DG303B	13	36	7	22	50	±15	5	150	8	-80	100	DY	SO-14 (Narrow)
DG5143	13	36	7	22	75	±15	5	175	150	-50	4.5	CJ	Plastic DIP-16
SPDT x 4													
DG2019	1.8	6			12	+2.7	1	48	-2.46	-54	0.0055	DN	QFN-16 3x3
DG333A	5	36	5	22	45	±15	0.25	175	10	-60	3	DJ	Plastic DIP-20
DG333A	5	36	5	22	45	±15	0.25	175	10	-60	3	DW	SO-20 (Wide)
DG333AL	5	36	5	22	45	±15	0.25		10	-60	3	DJ	Plastic DIP-20
DG333AL	5	36	5	22	45	±15	0.25		10	-60	3	DW	SO-20 (Wide)
DPST x 2, NO													
DG405	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16
DG405	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DY	SO-16 (Narrow)
DG306B	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14
DG302B	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG384B	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-16
DPDT x 2													
DG2799	1.65	3.6			0.45	+2.7	1	57	160	-75	0.0033	DN	QFN-16 3x3
DG2718	1.8	6			0.6	+2.7	1	57	232	-75	0.0033	DN	QFN-16 3x3
DG2017	1.8	6			3.7h	+2.7	0.5	85	2	-69	0.0055	DN	QFN-16 4x4
	1.8	6			1.1i	+2.7	0.5	74	1	-51	0.0055	DN	QFN-16 4x4
DG2015	1.8	6			1.6	+2.7	10	65	7	-67	0.0033	DN	QFN-16 4x4
DG2018	1.8	6			12	+2.7	1	48	-2.46	-54	0.0055	DN	QFN-16 3x3

Notes:

a. With Level Shift
b. 500 MHz
c. Fault-Protected
d. Latch
e. 300 MHz
f. Switch 1
g. Switch 2
h. Switch 1, 2
i. Switch 3, 4

Technical Specifications by Product

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG2001	SPDT x 1	1.8	6			9	+2.7	0.9	45	10	-70	0.0055	DV	TSOP-6
DG2002	SPDT x 1	1.8	6			15	+2.7	0.25	31	10	-70	0.0055	DL	SC-70-6
DG2003	SPST x 2, NO	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG2004	SPST x 2, NC	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG2005	SPST x 2, Comp	1.8	6			3.5	+2.7	1	35	1	-60	0.0055	DQ	MSOP-8
DG200B	SPST x 2, NC	13	36	7	22	85	±15	2	1000	1	-75	0.9	DJ	Plastic DIP-14
DG2011	SPDT x 1	1.8	6			2.7	+2.7	10	75	9	-65	0.0055	DX	SC-89-6 (SOT-666)
DG2012	SPDT x 1	1.8	6			2.1	+2.7	0.5	38	20	-63	0.0055	DL	SC-70-6
DG2015	DPDT x 2	1.8	6			1.6	+2.7	10	65	7	-67	0.0033	DN	QFN-16 4x4
DG2016	SPDT x 2	1.8	6			4.8	+2.7	0.25	48	79	-82	0.005	DQ	MSOP-10
DG2017[a]	DPDT x 2	1.8	6			1.1	+2.7	0.5	74	1	-51	0.0055	DN	QFN-16 4x4
DG2017[b]	DPDT x 2	1.8	6			3.7	+2.7	0.5	85	2	-69	0.0055	DN	QFN-16 4x4
DG2018	DPDT x 2	1.8	6			12	+2.7	1	48	-2.46	-54	0.0055	DN	QFN-16 3x3
DG2019	SPDT x 4	1.8	6			12	+2.7	1	48	-2.46	-54	0.0055	DN	QFN-16 3x3
DG201B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DK	Ceramic DIP-16
DG201B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DJ	Plastic DIP-16
DG201B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DY	SO-16 (Narrow)
DG201B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.065	DQ	TSSOP-16
DG201HS	SPST x 4, NC	13	36	7	22	85	±15	1	60	-5	-60	240	DJ	Plastic DIP-16
DG201HS	SPST x 4, NC	13	36	7	22	85	±15	1	60	-5	-60	240	DY	SO-16 (Narrow)
DG201HS	SPST x 4, NC	13	36	7	22	85	±15	1	60	-5	-60	240	DQ	TSSOP-16
DG2020[c]	SPDT x 1	1.8	6			2	+2.7	5	6000	5	-50	0.0055	DV	TSOP-6
DG2020[d]	SPDT x 1	1.8	6			3.2	+2.7	5	6000	5	-50	0.0055	DV	TSOP-6
DG2026	SPDT x 2	1.8	6			4.8	+2.7	1	48	79	-82	0.0055	DQ	MSOP-10
DG202B	SPST x 4, NO	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DK	Ceramic DIP-16
DG202B	SPST x 4, NO	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DJ	Plastic DIP-16
DG202B	SPST x 4, NO	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DY	SO-16 (Narrow)
DG202B	SPST x 4, NO	13	36	7	22	50	±15	0.5	300	1	-70	0.065	DQ	TSSOP-16
DG2031	SPDT x 2	1.8	6			0.75	+2.7	1	45	41	-71	0.0005	DQ	MSOP-10
DG2032	SPDT x 2	1.8	6			5	+2.7	1	53	38	-82	0.003	DN	QFN-12 3x3
DG2034	4:1 x 1	1.8	6			7	+2.7	1	30	-4.4	-77	0.0055	DQ	MSOP-10
DG2034	4:1 x 1	1.8	6			7	+2.7	1	30	-4.4	-77	0.0055	DN	QFN-12 3x3

Notes:

a. Switch 3, 4
b. Switch 1, 2
c. Switch 1
d. Switch 2

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG2035	SPDT x 2	1.8	6			1	+2.7	2	58	4	-71	0.0055	DQ	MSOP-10
DG2037	SPST x 2, NO	1.8	6			6	+2.7	1	30	1	-67	0.0055	DQ	MSOP-8
DG2037	SPST x 2, NO	1.8	6			6	+2.7	1	30	1	-67	0.0055	DS	SOT-23-8
DG2038	SPST x 2, NC	1.8	6			6	+2.7	1	30	1	-67	0.0055	DQ	MSOP-8
DG2038	SPST x 2, NC	1.8	6			6	+2.7	1	30	1	-67	0.0055	DS	SOT-23-8
DG2039	SPST x 2, Comp	1.8	6			6	+2.7	1	30	1	-67	0.005	DQ	MSOP-8
DG2039	SPST x 2, Comp	1.8	6			6	+2.7	1	30	1	-67	0.005	DS	SOT-23-8
DG2041	SPST x 4, NC	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2041	SPST x 4, NC	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG2042	SPST x 4, NO	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2042	SPST x 4, NO	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG2043	SPST x 4, Comp	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DN	QFN-16 4x4
DG2043	SPST x 4, Comp	1.8	6			2.1	+2.7	1	42	3	-63	0.005	DQ	TSSOP-16
DG211B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DJ	Plastic DIP-16
DG211B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DY	SO-16 (Narrow)
DG211B	SPST x 4, NC	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DQ	TSSOP-16
DG212B	SPST x 4, NO	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DJ	Plastic DIP-16
DG212B	SPST x 4, NO	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DY	SO-16 (Narrow)
DG212B	SPST x 4, NO	13	36	7	22	85	±15	0.5	300	1	-70	0.3	DQ	TSSOP-16
DG213	SPST x 4, Comp	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DJ	Plastic DIP-16
DG213	SPST x 4, Comp	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DY	SO-16 (Narrow)
DG213	SPST x 4, Comp	13	36	7	22	60	±15	0.5	130	1	-70	0.03	DQ	TSSOP-16
DG2131	SPDT x 2	1.8	6			0.75	+2.7	1	69	20	-69	0.003	DQ	MSOP-10
DG221B	SPST x 4, Latch	13	18	7	18	90	±15	5	550	20	-60	37	DJ	Plastic DIP-16
DG221B	SPST x 4, Latch	13	18	7	18	90	±15	5	550	20	-60	37	DY	SO-16 (Narrow)
DG2301	Bus Switch	3.5	5.5			7	+4.5		2.5			0.0055	DL	SC-70-5

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG2302	Bus Switch with Level Shift	3.5	5.5			7	+4.5		2.5			8.25	DL	SC-70-5
DG2303	Bus Switch	1.6	6			9	+3.0		2.5	0.5	-50	0.0055	DL	SC-70-5
DG2531	SPDT x 2	1.8	6			0.6	+2.7	1	70	54	-69	0.0055	DQ	MSOP-10
DG2532	SPDT x 2	1.8	6			0.6	+2.7	1	70	54	-69	0.0055	DQ	MSOP-10
DG2535	SPDT x 2	1.8	6			0.5	+2.7	1	82	21	-69	0.003	DQ	MSOP-10
DG2536	SPDT x 2	1.8	6			0.5	+2.7	1	82	21	-69	0.003	DQ	MSOP-10
DG2714	SPDT x 1	1.6	4			1.2	+2.7	1	51	9	-64	0.003	DL	SC-70-6
DG2718	DPDT x 2	1.8	6			0.6	+2.7	1	57	232	-75	0.0033	DN	QFN-16 3x3
DG271B	SPST x 4, NC	13	36	7	22	50	±15	1	65	-5	-50	200	CJ	Plastic DIP-16
DG271B	SPST x 4, NC	13	36	7	22	50	±15	1	65	-5	-50	200	DY	SO-16 (Narrow)
DG2741	SPST x 2, NO	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8
DG2741	SPST x 2, NO	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2742	SPST x 2, NC	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8
DG2742	SPST x 2, NC	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2743	SPST x 2, Comp	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DQ	MSOP-8
DG2743	SPST x 2, Comp	1.8	6			0.8	+2.7	1	30	5.8	-89	0.0036	DS	SOT-23-8
DG2799	DPDT x 2	1.65	3.6			0.45	+2.7	1	57	160	-75	0.0033	DN	QFN-16 3x3
DG3000	SPDT x 1	1.8	6			4.1	+2.7	1	49	38	-60	0.0055	DB	MICRO FOOT 3x2 0.5 pitch
DG3001	SPST x 1, NO	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2 0.5 pitch
DG3002	SPST x 1, NC	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2 0.5 pitch
DG3003	SPDT x 1	1.8	6			0.7	+2.7	1	71	64	-70	0.0033	DB	MICRO FOOT 3x2 0.5 pitch
DG300B	SPST x 2, NO	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG301B	SPDT x 1	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG302B	DPST x 2, NO	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG303B	SPDT x 2	13	36	7	22	50	±15	5	150	8	-80	100	DJ	Plastic DIP-14
DG303B	SPDT x 2	13	36	7	22	50	±15	5	150	8	-80	100	DY	SO-14 (Narrow)
DG304B	SPST x 2, NO	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14
DG306B	DPST x 2, NO	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14
DG307B	SPDT x 2	13	36	7	22	50	±15	5	110	30	-80	100	DJ	Plastic DIP-14

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG308A	SPST x 4, NO	13	36	7	22	100	±15	5	200	-10	-50	2	CJ	Plastic DIP-16
DG308A	SPST x 4, NO	13	36	7	22	100	±15	5	200	-10	-50	2	DY	SO-16 (Narrow)
DG308A	SPST x 4, NO	13	36	7	22	100	±15	5	200	-10	-50	2	DQ	TSSOP-16
DG308B	SPST x 4, NO	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DJ	Plastic DIP-16
DG308B	SPST x 4, NO	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DY	SO-16 (Narrow)
DG308B	SPST x 4, NO	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DQ	TSSOP-16
DG309	SPST x 4, NC	13	36	7	22	100	±15	5	200	10	-50	2	CJ	Plastic DIP-16
DG309	SPST x 4, NC	13	36	7	22	100	±15	5	200	10	-50	2	DY	SO-16 (Narrow)
DG309	SPST x 4, NC	13	36	7	22	100	±15	5	200	10	-50	2	DQ	TSSOP-16
DG309B	SPST x 4, NC	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DJ	Plastic DIP-16
DG309B	SPST x 4, NC	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DY	SO-16 (Narrow)
DG309B	SPST x 4, NC	13	36	7	22	85	±15	0.5	200	1	-70	0.03	DQ	TSSOP-16
DG3157	Bus Switch	1.8	6			6	+4.5						DL	SC-70-6
DG333A	SPDT x 4	5	36	5	22	45	±15	0.25	175	10	-60	3	DJ	Plastic DIP-20
DG333A	SPDT x 4	5	36	5	22	45	±15	0.25	175	10	-60	3	DW	SO-20 (Wide)
DG333AL	SPDT x 4	5	36	5	22	45	±15	0.25		10	-60	3	DJ	Plastic DIP-20
DG333AL	SPDT x 4	5	36	5	22	45	±15	0.25		10	-60	3	DW	SO-20 (Wide)
DG3408	8:1 x 1	3	12	2.7	6.5	7	+12	2	70	29	-85	0.012	DB	MICRO FOOT 4x4
DG3409	4:1 x 2	3	12	2.7	6.5	7	+12	2	70	29	-85	0.012	DB	MICRO FOOT 4x4
DG3535	SPDT x 2	1.8	6			0.4	+2.7	2	82	21	-69	0.003	DB	MICRO FOOT 4X3 0.5 pitch
DG3536	SPDT x 2	1.8	6					2	82	21	-69	0.003	DB	MICRO FOOT 4X3 0.5 pitch
DG381B	SPST x 2, NC	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-14
DG384B	DPST x 2, NO	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-16
DG387B	SPDT x 1	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-14
DG390B	SPDT x 2	13	36	7	22	50	±15	5	150	10	-80	100	DJ	Plastic DIP-16
DG401	SPST x 2, NO	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16
DG403	SPDT x 2	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16
DG403	SPDT x 2	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DY	SO-16 (Narrow)
DG405	DPST x 2, NO	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DJ	Plastic DIP-16

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG405	DPST x 2, NO	13	36	7	22	45	±15	0.5	150	60	-72	0.045	DY	SO-16 (Narrow)
DG406	16:1 x 1	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DJ	Plastic DIP-28
DG406	16:1 x 1	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DN	PLCC-28
DG406	16:1 x 1	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DW	SO-28 (Wide)
DG406B	16:1 x 1	7.5	36	5	22	60	±15						DJ	Plastic DIP-28
DG406B	16:1 x 1	7.5	36	5	22	60	±15						DN	PLCC-28
DG406B	16:1 x 1	7.5	36	5	22	60	±15						DW	SO-28 (Wide)
DG407	8:1 x 2	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DJ	Plastic DIP-28
DG407	8:1 x 2	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DN	PLCC-28
DG407	8:1 x 2	7.5	36	5	22	100	±15	0.5	350	15	-40	7.5	DW	SO-28 (Wide)
DG407B	8:1 x 2	7.5	36	5	22	60	±15						DJ	Plastic DIP-28
DG407B	8:1 x 2	7.5	36	5	22	60	±15						DN	PLCC-28
DG407B	8:1 x 2	7.5	36	5	22	60	±15						DW	SO-28 (Wide)
DG408	8:1 x 1	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DJ	Plastic DIP-16
DG408	8:1 x 1	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DY	SO-16 (Narrow)
DG408	8:1 x 1	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DQ	TSSOP-16
DG408L	8:1 x 1	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DY	SO-16 (Narrow)
DG408L	8:1 x 1	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DQ	TSSOP-16
DG409	4:1 x 2	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DJ	Plastic DIP-16
DG409	4:1 x 2	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DY	SO-16 (Narrow)
DG409	4:1 x 2	13	36	7	22	100	±15	0.5	250	20	-40	7.5	DQ	TSSOP-16
DG409L	4:1 x 2	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DY	SO-16 (Narrow)
DG409L	4:1 x 2	2.7	12	2.7	6.5	29	+12	1	95	1	-70	8.4	DQ	TSSOP-16
DG411	SPST x 4, NC	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG411	SPST x 4, NC	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG411HS	SPST x 4, NC	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG411HS	SPST x 4, NC	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG411HS	SPST x 4, NC	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)
DG411L	SPST x 4, NC	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG411L	SPST x 4, NC	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG412	SPST x 4, NO	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG412	SPST x 4, NO	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG412HS	SPST x 4, NO	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG412HS	SPST x 4, NO	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG412HS	SPST x 4, NO	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG412L	SPST x 4, NO	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG412L	SPST x 4, NO	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG413	SPST x 4, Comp	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DJ	Plastic DIP-16
DG413	SPST x 4, Comp	13	36	7	22	35	±15	0.25	175	5	-68	0.045	DY	SO-16 (Narrow)
DG413HS	SPST x 4, Comp	13	36	7	22	35	±15	5	105	22	-90	0.049	DJ	Plastic DIP-16
DG413HS	SPST x 4, Comp	13	36	7	22	35	±15	5	105	22	-90	0.049	DN	QFN-16 4x4
DG413HS	SPST x 4, Comp	13	36	7	22	35	±15	5	105	22	-90	0.049	DY	SO-16 (Narrow)
DG413L	SPST x 4, Comp	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DY	SO-16 (Narrow)
DG413L	SPST x 4, Comp	2.7	12	2.7	6.5	30	+12	1	85	5	-70	0.036	DQ	TSSOP-16
DG417	SPST x 1, NC	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DJ	Plastic DIP-8
DG417	SPST x 1, NC	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DY	SO-8 (Narrow)
DG417B	SPST x 1, NC	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DQ	MSOP-8
DG417B	SPST x 1, NC	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DJ	Plastic DIP-8
DG417B	SPST x 1, NC	13	36	7	22	25	±15	0.25	89	4	-87	0.035	DY	SO-8 (Narrow)
DG417L	SPST x 1, NC	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG417L	SPST x 1, NC	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)
DG418	SPST x 1, NO	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DJ	Plastic DIP-8
DG418	SPST x 1, NO	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DY	SO-8 (Narrow)
DG418B	SPST x 1, NO	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DQ	MSOP-8
DG418B	SPST x 1, NO	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DJ	Plastic DIP-8
DG418B	SPST x 1, NO	13	36	7	22	35	±15	0.25	89	4	-87	0.035	DY	SO-8 (Narrow)
DG418L	SPST x 1, NO	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG418L	SPST x 1, NO	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)
DG419	SPDT x 1	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DJ	Plastic DIP-8
DG419	SPDT x 1	13	36	7	22	35	±15	0.25	175	60	-60	0.045	DY	SO-8 (Narrow)
DG419L	SPDT x 1	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DQ	MSOP-8
DG419L	SPDT x 1	2.7	12	2.7	6.5	20	+12	1	75	1	-90	0.036	DY	SO-8 (Narrow)

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG428	8:1 x 1, Latch	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DN	PLCC-20
DG429	4:1 x 2, Latch	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DN	PLCC-20
DG429	4:1 x 2, Latch	13	36	7	22	100	±15	0.5	250	1	-50	1.5	DW	SO-18 (Wide)
DG441	SPST x 4, NC	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DJ	Plastic DIP-16
DG441	SPST x 4, NC	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DY	SO-16 (Narrow)
DG441B	SPST x 4, NC	13	36	7	22	80	±15	0.5	300	4	90	0.03	DJ	Plastic DIP-16
DG441B	SPST x 4, NC	13	36	7	22	80	±15	0.5	300	4	90	0.03	DN	QFN-16 4x4
DG441B	SPST x 4, NC	13	36	7	22	80	±15	0.5	300	4	90	0.03	DY	SO-16 (Narrow)
DG441L	SPST x 4, NC	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DY	SO-16 (Narrow)
DG441L	SPST x 4, NC	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DQ	TSSOP-16
DG442	SPST x 4, NO	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DJ	Plastic DIP-16
DG442	SPST x 4, NO	13	36	7	22	85	±15	0.5	250	1	-60	1.5	DY	SO-16 (Narrow)
DG442B	SPST x 4, NO	13	36	7	22	80	±15	0.5	300	4	90	0.03	DJ	Plastic DIP-16
DG442B	SPST x 4, NO	13	36	7	22	80	±15	0.5	300	4	90	0.03	DN	QFN-16 4x4
DG442B	SPST x 4, NO	13	36	7	22	80	±15	0.5	300	4	90	0.03	DY	SO-16 (Narrow)
DG442L	SPST x 4, NO	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DY	SO-16 (Narrow)
DG442L	SPST x 4, NO	2.7	12	2.7	6.5	30	+12	1	136	5	-70	0.024	DQ	TSSOP-16
DG444	SPST x 4, NO	13	36	7	22	85	±15	0.5	250	1	-60	0.045	DJ	Plastic DIP-16
DG444	SPST x 4, NO	13	36	7	22	85	±15	0.5	250	1	-60	0.045	DY	SO-16 (Narrow)
DG444B	SPST x 4, NC	13	36	7	22	80	±15						DJ	Plastic DIP-16
DG444B	SPST x 4, NC	13	36	7	22	80	±15						DN	QFN-16 4x4
DG444B	SPST x 4, NC	13	36	7	22	80	±15						DY	SO-16 (Narrow)
DG445	SPST x 4, NC	13	36	7	22	85	±15	0.5		1	-60	0.045	DJ	Plastic DIP-16
DG445	SPST x 4, NC	13	36	7	22	85	±15	0.5		1	-60	0.045	DY	SO-16 (Narrow)
DG445B	SPST x 4, NO	13	36	7	22	80	±15						DJ	Plastic DIP-16

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG445B	SPST x 4, NO	13	36	7	22	80	±15						DN	QFN-16 4x4
DG445B	SPST x 4, NO	13	36	7	22	80	±15						DY	SO-16 (Narrow)
DG458	8:1 x 1, Fault-Protected	13	36	7	22	1500	±15	1	500	-20	-60	3	DJ	Plastic DIP-16
DG459	4:1 x 2, Fault-Protected	13	36	7	22	1500	±15	1	500	-20	-60	3	DJ	Plastic DIP-16
DG4599	SPDT x 1	2.5	6			95	+2.7	1	30	10	-70	0.0055	DL	SC-70-6
DG485	8:1 x 1	13	36	7	22	85	±15	1	200	17	-80	4.5	DJ	Plastic DIP-18
DG485	8:1 x 1	13	36	7	22	85	±15	1	200	17	-80	4.5	DN	PLCC-20
DG5043	SPDT x 2	13	36	7	22	50	±15	1	1200	30	-80	9	CJ	Plastic DIP-16
DG5143	SPDT x 2	13	36	7	22	75	±15	5	175	150	-50	4.5	CJ	Plastic DIP-16
DG528	8:1 x 1, Latch	13	36	7	22	450	±15	5	1000	4	-50	60	CJ	Plastic DIP-18
DG528	8:1 x 1, Latch	13	36	7	22	450	±15	5	1000	4	-50	60	DN	PLCC-20
DG529	4:1 x 2, Latch	13	36	7	22	450	±15	5	1000	4	-50	60	CJ	Plastic DIP-18
DG534A	4:1 x 1, 500 MHz	10	18	10	15	90	+15/-3	5	300	-70	-90	31	DJ	Plastic DIP-20
DG534A	4:1 x 1, 500 MHz	10	18	10	15	90	+15/-3	5	300	-70	-90	31	DN	PLCC-20
DG535	16:1 x 1, 300 MHz	7.5	18			90	+15	10	300	-35	-70	7.5	DJ	Plastic DIP-28
DG536	16:1 x 1, 300 MHz	7.5	18			90	+15	10	300	-35	-100	7.5	DN	PLCC-44
DG540	SPST x 4, 500 MHz	10	18	10	15	60	+15/-3	10	70	-25	-90	180	DJ	Plastic DIP-20
DG540	SPST x 4, 500 MHz	10	18	10	15	60	+15/-3	10	70	-25	-90	180	DN	PLCC-20
DG541	SPST x 4, 500 MHz	10	18	10	15	60	+15/-3	10	130	-25	-70	180	DJ	Plastic DIP-16
DG541	SPST x 4, 500 MHz	10	18	10	15	60	+15/-3	10	130	-25	-70	180	DY	SO-16 (Narrow)
DG542	SPDT x 2, 500 MHz	10	18	10	15	60	+15/-3	10	100	-25	-80	180	DJ	Plastic DIP-16
DG542	SPDT x 2, 500 MHz	10	18	10	15	60	+15/-3	10	100	-25	-80	180	DY	SO-16 (Narrow)
DG611	SPST x 4, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG611	SPST x 4, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)
DG612	SPST x 4, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG612	SPST x 4, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG613	SPDT x 2, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DJ	Plastic DIP-16
DG613	SPDT x 2, 500 MHz	10	18	10	15	45	+15/-3	0.25	35	4	-100	0.045	DY	SO-16 (Narrow)
DG641	SPST x 4, 500 MHz	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-16
DG641	SPST x 4, 500 MHz	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DY	SO-16 (Narrow)
DG642	SPDT x 1, 500 MHz	10	18	10	15	8	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-8
DG642	SPDT x 1, 500 MHz	10	18	10	15	8	+15/-3	10	70	-19	-80	135	DY	SO-8 (Narrow)
DG643	SPDT x 2, 500 MHz	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DJ	Plastic DIP-16
DG643	SPDT x 2, 500 MHz	10	18	10	15	15	+15/-3	10	70	-19	-80	135	DY	SO-16 (Narrow)
DG884	8 x 4, Cross-Point	10	18	10	15	90	+15/-3	20	300	-100	-80	54	DN	PLCC-44
DG9232	SPST x 2, NC	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9232	SPST x 2, NC	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9233	SPST x 2, NO	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9233	SPST x 2, NO	2.7	12			30	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9262	SPST x 2, NC	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9262	SPST x 2, NC	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9263	SPST x 2, NO	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DQ	MSOP-8
DG9263	SPST x 2, NO	2.7	12			60	+4.5	0.1	120	1	-70	0.0055	DY	SO-8 (Narrow)
DG9408	8:1 x 1	2.7	12	2.7	6.5	10	+4.5	15	70	29	-70	0.012	DN	QFN-16 4x4
DG9409	4:1 x 2	2.7	12	2.7	6.5	10	+4.5	15	70	29	-70	0.012	DN	QFN-16 4x4
DG9411	SPDT x 1	2.5	6			35	+2.5	1	15	10	-70	0.0004	DL	SC-70-6
DG9414	4:1 x 1	2.7	12			56	+4.5	1	77	6	-60	0.005	DQ	MSOP-10
DG9415	2:1 x 2	2.7	12			56	+4.5	1	77	6	-60	0.005	DQ	MSOP-10
DG9421	SPST x 1, NC	2.7	12	2.7	6.5	3	± 4.5	1	110	1	-60	0.024	DV	TSOP-6
DG9422	SPST x 1, NO	2.7	12	2.7	6.5	3	± 4.5	1	110	1	-60	0.024	DV	TSOP-6
DG9424	SPST x 4, NC	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16
DG9425	SPST x 4, NO	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16
DG9426	SPST x 4, Comp	2.7	12	2.7	6.5	3	± 4.5	1	163	38	-60	0.029	DQ	TSSOP-16

Part Number	Config	Min Single Supply (V)	Max Single Supply (V)	Min Dual Supply ± (V)	Max Dual Supply ± (V)	r_{ON} (ohms)	@ Voltage	$IS_{(OFF)}$ Max @ 25 °C (nA)	t_{ON} Max (ns)	Q_{inj} Typ. (pC)	X_{TALK} & O_{IRR} @ 1 MHz (dB)	PC Max (mW)	Suffix	Package
DG9431	SPDT x 1	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DY	SO-8 (Narrow)
DG9431	SPDT x 1	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DV	TSOP-6
DG9432	SPST x 2, NC	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8
DG9432	SPST x 2, NC	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
DG9433	SPST x 2, NO	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8
DG9433	SPST x 2, NO	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
DG9434	SPST x 2, Comp	2.7	12			30	+4.5	1	35	0.36	96	0.012	DQ	MSOP-8
DG9434	SPST x 2, Comp	2.7	12			30	+4.5	1	35	0.36	96	0.012	DS	SOT-23-8
DG9461	SPDT x 1	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DY	SO-8 (Narrow)
DG9461	SPDT x 1	2.7	12			30	+4.5	0.1	70	2	-70	0.0055	DV	TSOP-6