



MILITARY AND AEROSPACE

Applications



SEMICONDUCTORS

RECTIFIERS

- Schottky (single, dual)
- Standard, Fast and Ultra-Fast Recovery (single, dual)
- Bridge
- Superrectifier®
- Sinterglass Avalanche Diodes

HIGH-POWER DIODES AND THYRISTORS

- High-Power Fast-Recovery Diodes
- Phase-Control Thyristors
- Fast Thyristors

SMALL-SIGNAL DIODES

- Schottky and Switching (single, dual)
- Tuner/Capacitance (single, dual)
- Bandswitching
- PIN

ZENER AND SUPPRESSOR DIODES

- Zener (single, dual)
- TVS (TRANSORB®, Automotive, ESD, Arrays)

FETs

- Low-Voltage TrenchFET® Power MOSFETs
- High-Voltage TrenchFET® Power MOSFETs
- High-Voltage Planar MOSFETs
- JFETs

OPTOELECTRONICS

- IR Emitters and Detectors, and IR Receiver Modules
- Optocouplers and Solid-State Relays
- Optical Sensors
- LEDs and 7-Segment Displays
- Infrared Data Transceiver Modules
- Custom Products

ICs

- Power ICs
- Analog Switches

MODULES

- Power Modules (contain power diodes, thyristors, MOSFETs, IGBTs)

PASSIVE COMPONENTS

RESISTIVE PRODUCTS

- Film Resistors
 - Metal Film Resistors
 - Thin Film Resistors
 - Thick Film Resistors
 - Metal Oxide Film Resistors
 - Carbon Film Resistors
- Wirewound Resistors
- Power Metal Strip® Resistors
- Chip Fuses
- Variable Resistors
 - Cermet Variable Resistors
 - Wirewound Variable Resistors
 - Conductive Plastic Variable Resistors
- Networks/Arrays
- Non-Linear Resistors
 - NTC Thermistors
 - PTC Thermistors
 - Varistors

MAGNETICS

- Inductors
- Transformers

CAPACITORS

- Tantalum Capacitors
 - Molded Chip Tantalum Capacitors
 - Coated Chip Tantalum Capacitors
 - Solid Through-Hole Tantalum Capacitors
 - Wet Tantalum Capacitors
- Ceramic Capacitors
 - Multilayer Chip Capacitors
 - Disc Capacitors
- Film Capacitors
- Power Capacitors
- Heavy-Current Capacitors
- Aluminum Capacitors

Military and Aerospace Selector Guide

Vishay Intertechnology, Inc.

63 Lancaster Avenue
Malvern, PA 19355
United States

Phone: +1 610 644 1300

Fax: +1 610 296 0657

www.vishay.com

DISCLAIMER All product specifications and data are subject to change without notice. Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product. Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications. Product names and markings noted herein may be trademarks of their respective owners.



Table of Contents

Introduction	4
Resistors	5
Capacitors	12
Magnetics/Inductors	16



Military and Aerospace

Vishay's line of high-reliability products reflects a long-term commitment to our military and aerospace customers. As one of the largest suppliers of military components, we continually strive to meet the changing application requirements of the defense market by developing new products and manufacturing technologies on an ongoing basis.

Vishay has one of the broadest lines of military-qualified resistors, capacitors, and inductors in the industry, and our high-reliability devices can be found in nearly every existing military and aerospace program, including aircraft, satellites, missiles, weapons, ground vehicles, and ships. Our precision potentiometers have been used for over 20 years in three different missile programs and are also used in passenger jets.

Able to meet the most demanding application specifications, our high-reliability products are qualified to the relevant CECC, EN, ESCC or MIL specifications. For example, our high-reliability inductors are qualified to MIL-T-27E, MIL-C-15305E, and MIL-C-39010D specifications. Our high-reliability resistive components are qualified to ESCC 4001/022, MIL-PRF-39007, MIL-PRF-39009, MIL-PRF-39017, MIL-PRF 55182, MIL-PRF-55342, MIL-PRF-83401, and many other high-reliability specifications. Our high-reliability capacitors are qualified to MIL-PRF-39003, MIL-PRF-39006, MIL-PRF-55365, and MIL-PRF-55681.

In addition to standard military-grade products, Vishay is equipped to design and produce custom components to meet any design and reliability demands. Our MLCC capacitor group offers products to source-controlled specifications with customer specific requirements such as capacitance tolerances. Our custom magnetic group produces many custom inductors and transformers for applications as diverse as missile systems and ground-based communications systems. And our resistor groups produce many resistive products designed to meet various military source-controlled drawings.








Every component Vishay provides to the military and aerospace markets is backed by the comprehensive testing and failure analysis capabilities of our own technical staff, whom are industry experts in understanding and meeting the requirements of the military environment. Our technical expertise, our knowledge of the military and aerospace industries, our broad product offering, and our ability to work long-term are all part of Vishay's ongoing commitment to meeting the changing requirements of our most reliability-conscious customers, today and in the future.

Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Thin film precision resistors	M55342 QPL	<ul style="list-style-type: none"> Chip resistor established reliability Low TCR (25 ppm/°C) Tight tolerance (0.1 %) 	M 55342/1 through /12 D55342/7	10 Ω to 3 MΩ	25, 50 and 100 ppm/°C	10 mW to 1 W
	PTN	<ul style="list-style-type: none"> DSCC listed Moisture-resistant wrap-around chip resistors Low TCR (25 ppm/°C) Tight tolerance (0.1 %) 	94012, 94013, 94014, 94015, 94016, 94017, 94018, 94019, 94025, 94026, 04008, 04009	10 Ω to 3 MΩ	25, 50 and 100 ppm/°C	10 mW to 1 W
	L1206	<ul style="list-style-type: none"> DSCC listed Low ohmic values Power rating 250 mW at + 70 °C 	02008	1 Ω to 10 Ω	200 and 300 ppm/°C	250 mW
	M1206	<ul style="list-style-type: none"> DSCC listed Ohmic values 10 Ω – 10 MΩ Power rating 250 mW at + 70 °C 	02008	10 Ω to 10 MΩ	200 and 400 ppm/°C	250 mW
	PFR	<ul style="list-style-type: none"> R failure rate chip resistor 0603 / 0805 / 1206 / 2010 Very low TCR: 10 ppm/°C, 25 ppm/°C Tight tolerance 0.05 % and 0.1 % ESA qualification ongoing 	ESCC 4001/023 Variants 09 to 12	100 R to 1 M depending on size	10, 25 ppm/°C	100 mW to 500 mW
	PHR	<ul style="list-style-type: none"> High reliability chip resistor 0603 / 0805 / 1206 / 2010 Very low TCR: 5 ppm/°C, 10 ppm/°C, 25 ppm/°C Very tight tolerance: 0.01 % to 0.1 % ESA-qualified 	ESCC 4001/023 Variants 01 to 08	100 R to 1 M depending on size	5, 10, 25 ppm/°C	100 mW to 500 mW
	PRAHR	<ul style="list-style-type: none"> High reliability chip arrays Very low TCR: 10 ppm/°C absolute / 3 ppm/°C ratio Tight tolerance: 0.1 % absolute / 0.05 % ratio 3 sizes 100/135/182 2 to 8 resistors ESA-qualified Custom network qualified (CNW) 	ESCC 4001/025 Variants 01 to 32	100 R to 1 M depending on size	10 ppm/°C Abs 3 ppm/°C Ratio	100 mW per resistor
	RV	<ul style="list-style-type: none"> In lot tracking to 5 ppm/°C Tolerance 0.1 % to 5 % 0603 / 0805 / 1206 Stability 0.05 % @ Pn 1000 hours 	CECC 40401-010	100 R to 1 M depending on size	10, 25 ppm/°C	125 mW to 330 mW
Axial leaded thin film resistors	MBA/SMA 0204 VG06	<ul style="list-style-type: none"> Axial leaded thin film resistors 50 ppm/K / ± 1 %: E96 values; 15 ppm/K / ± 0.1 %: E192 values Assessment level Z, Version E: Established reliability, failure rate level E7 Approval registered at IECQ Series includes zero-ohm jumper 	CECC 40101-806	1.0 Ω to 5.11 MΩ; 100 Ω to 221 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %; —	0.4 W; 3.0 A
	MBB/SMA 0207 VG06			1.0 Ω to 10.0 MΩ; 100 Ω to 499 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %; —	0.6 W; 5.0 A
	MBE/SMA 0414 VG06			1.0 Ω to 21.5 MΩ; 100 Ω to 470 kΩ	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %	1.0 W
	MBA/SMA 0204	<ul style="list-style-type: none"> Axial leaded thin film resistors Tolerances 0.1; 0.25; 0.5; 1 and 5 % Professional and precision specifications Series include zero-ohm jumpers Assessment level Z, Version A Approval registered at IECQ 	CECC 40101-806	0.22 Ω to 10.0 MΩ; 0 Ω	15; 25 and 50 ppm/K; —	0.4 W; 3.0 A
	MBB/SMA 0207			0.22 Ω to 22.0 MΩ; 0 Ω	15; 25 and 50 ppm/K; —	0.6 W; 5.0 A
	MBE/SMA 0414			0.22 Ω to 22.0 MΩ	15; 25 and 50 ppm/K	1.0 W

Resistors

Vishay



Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Thin film MELF resistors	MS1	<ul style="list-style-type: none"> Thin film MELF resistors Tolerances 0.1; 0.5 and 1 % Testing levels B and C Approval listed in the ESCC QPL 	ESCC 4001/022 	10.0 Ω to 5.11 MΩ	15; 25 and 50 ppm/K	0.25 W
	MMU 0102 VG03	<ul style="list-style-type: none"> Thin film MELF resistors 50 ppm/K / ± 1 %: E96 values; 15 ppm/K / ± 0.1 %: E192 values Series include zero-ohm jumpers Assessment level EZ, Version E: established reliability, failure rate level E6 Approval registered at IECQ 	CECC / EN 140401-803 	100 Ω to 2.21 MΩ; 100 Ω to 100 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 % —	0.2 W; 2.0 A
	MMA 0204 VG03			1.0 Ω to 5.11 MΩ; 75.0 Ω to 100 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 % —	0.25 W; 3.0 A
	MMB 0207 VG03			1.0 Ω to 10.0 MΩ; 75.0 Ω to 499 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 % —	0.4 W; 5.0 A
	SMM0204 CECC40401-803 E7			<ul style="list-style-type: none"> Thin film MELF resistors 50 ppm/K / ± 1 %: E96 values; 15 ppm/K / ± 0.1 %: E192 values Assessment level EZ, Version E: established reliability, failure rate level E7 Approval registered at IECQ 	CECC / EN 140401-803 	10.0 Ω to 2.21 MΩ; 75.0 Ω to 100 kΩ
	MMU 0102	<ul style="list-style-type: none"> Thin film MELF resistors Tolerances 0.1; 0.25; 0.5 and 1 % Professional and precision specifications Series include zero-ohm jumpers Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-803 	0.22 Ω to 2.21 MΩ; 0 Ω	15; 25 and 50 ppm/K; —	0.2 W; 2.0 A
	MMA 0204			0.22 Ω to 10.0 MΩ; 0 Ω	15; 25 and 50 ppm/K; —	0.25 W; 3.0 A
	MMB 0207			0.22 Ω to 15.0 MΩ; 0 Ω	15; 25 and 50 ppm/K; —	0.4 W; 5.0 A
	UMA 0204	<ul style="list-style-type: none"> Thin film MELF resistors Tolerances 0.1 and 0.25 % High precision specifications Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-803 	22.0 Ω to 332 kΩ	10 ppm/K	0.25 W
	SMM0204 CECC40401-803 E0	<ul style="list-style-type: none"> Thin film MELF resistors Tolerances 0.1; 0.25; 0.5 and 1 % Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-803 	1.0 Ω to 2.2 MΩ	15; 25 and 50 ppm/K	0.25 W
OMM0204 CECC40401-803E0	<ul style="list-style-type: none"> MELF zero-ohm jumper Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-803 	0 Ω	—	2.0 A	

Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Thin film chip resistors	TNPS 0603	<ul style="list-style-type: none"> Thin film chip resistors Tolerances 0.1; 0.5 and 1 % Testing levels B and C Product listed in the EPPL 	ESCC 4001/0xx (pending)	10.0 Ω to 221 kΩ	15; 25 and 50 ppm/K	0.1 W
	TNPS 0805			10.0 Ω to 422 kΩ	15; 25 and 50 ppm/K	0.125 W
	TNPS 1206			10.0 Ω to 1.0 MΩ	15; 25 and 50 ppm/K	0.25 W
	MCS 0402 VG01	<ul style="list-style-type: none"> Thin film chip resistors Tolerances 0.1 and 1 % 50 ppm/K / ± 1 %: E96 values; 15 ppm/K / ± 0.1 %: E192 values Series include zero-ohm jumpers Assessment level EZ, Version E: established reliability, failure rate level E6 Approval registered at IECQ 	CECC / EN 140401-801	100 Ω to 100 kΩ; 100 Ω to 33.2 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %; —	0.063 W; 0.63 A
	MCT 0603 VG01			10.0 Ω to 1.0 MΩ; 100 Ω to 47.5 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %; —	0.1 W; 1.0 A
	MCU 0805 VG01			1.0 Ω to 1.0 MΩ; 100 Ω to 100 kΩ; 0 Ω	50 ppm/K / ± 1 %; 15 ppm/K / ± 0.1 %; —	0.125 W; 1.5 A
	MCS 0402			10.0 Ω to 1.0 MΩ; 0 Ω	10; 15; 25 and 50 ppm/K; —	0.063 W; 0.63 A
	MCT 0603	<ul style="list-style-type: none"> Thin film chip resistors Tolerances 0.1; 0.25; 0.5 and 1 % Professional and precision specifications Series include zero-ohm jumpers Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-801	1 Ω to 1.0 MΩ; 0 Ω	10; 15; 25 and 50 ppm/K; —	0.1 W; 1.0 A
	MCU 0805			10.0 Ω to 1.0 MΩ; 0 Ω	10; 15; 25 and 50 ppm/K; —	0.125 W; 1.5 A
	MCA 1206			10.0 Ω to 1.0 MΩ; 0 Ω	10; 15; 25 and 50 ppm/K; —	0.25 W; 2.0 A
Thick film chip resistors	D12 CECC 40401-802 E6	<ul style="list-style-type: none"> Thick film chip resistors Chip size 0805 (D12) and 1206 (D25) Tolerances 1 and 5 % 200 ppm/K / ± 5 %: E24 values; 100 ppm/K / ± 1 %: E96 values Assessment level EZ, Version E: established reliability, failure rate level E6 Approval registered at IECQ 	CECC / EN 140401-802	1.0 Ω to 9.1 Ω; 10.0 Ω to 1.0 MΩ	200 ppm/K / ± 5 %; 100 ppm/K / ± 1 %	0.125 W
	D25 CECC 40401-802 E6			1.0 Ω to 9.1 Ω; 10.0 Ω to 1.0 MΩ	200 ppm/K / ± 5 %; 100 ppm/K / ± 1 %	0.25 W
	D12 CECC 40401-802 E0	<ul style="list-style-type: none"> Thick film chip resistors Chip size 0805 (D12) and 1206 (D25) Tolerances 1 and 5 % Series include zero-ohm jumpers Assessment level EZ, Version A Approval registered at IECQ 	CECC / EN 140401-802	1.0 Ω to 1.0 MΩ; 0 Ω	100 and 200 ppm/K; —	0.125 W; 1.5 A
	D25 CECC 40401-802 E0			1.0 Ω to 1.0 MΩ; 0 Ω	100 and 200 ppm/K; —	0.25 W; 2.0 A
	CHPHR	<ul style="list-style-type: none"> Thick film chip resistor 0603 / 0805 / 1206 / 2010 / 2512 Tolerance 1 % / 2 % / 5 % ESA qualified 	ESCC4001/026	1 R to 10 M	100 ppm/°C; 200 ppm/°C	100 mW to 800 mW
Fixed linear resistors	CMF07 (Military type RL07)	<ul style="list-style-type: none"> Axial film resistor Military qualified Multiple body sizes Monthly acceptance testing 100 % screen tested Traceability of materials and processes Low noise Excellent high-frequency characteristics 	MIL-PRF-22684/1	51 Ω to 150 kΩ	200 ppm/°C	0.25 W
	CMF20 (Military type RL20)		MIL-PRF-22684/2	4.3 Ω to 470 kΩ	200 ppm/°C	0.50 W
	CMF50 (Military type RN50)		MIL-R-10509/8	10 Ω to 100 kΩ	25, 50 and 100 ppm/°C	0.05 W
	CMF55 (Military type RN55)		MIL-R-10509/7	10 Ω to 301 kΩ		0.10 W to 0.125 W
	CMF60 (Military type RN60)		MIL-R-10509/1	10 Ω to 1 MΩ		0.125 W to 0.25 W
	CMF65 (Military type RN65)		MIL-R-10509/2	10 Ω to 2 MΩ	0.25 W to 0.50 W	
	CMF70 (Military type RN70)		MIL-R-10509/3	10 Ω to 2.49 MΩ	0.50 W to 1 W	



Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Fixed linear resistors	DFM14 (Military type RZ030)	<ul style="list-style-type: none"> Thick film flat pack resistor networks Military qualified Multiple schematics and pin counts Monthly acceptance testing 100 % screen tested per Group A Traceability of materials and processes 	MIL-PRF-83401/03	10 Ω to 1 MΩ	100 and 300 ppm/°C	0.015 W/element to 0.050 W/element
	ERC50 (Military type RNC50, RNR50)	<ul style="list-style-type: none"> Axial film resistor Established reliability military qualified (verified failure rates) Multiple body sizes Monthly acceptance testing 100 % tested per Group A Traceability of materials and processes Low noise Excellent high frequency characteristics Customs available, per source control drawings 	MIL-PRF-55182/7	10 Ω to 796 kΩ	25, 50 and 100 ppm/°C	0.05 W to 0.10 W
	ERC55 (Military type RNC55, RNR55)		MIL-PRF-55182/1	10 Ω to 2 MΩ	25, 50 and 100 ppm/°C	0.10 W to 0.125 W
	ERC60 (Military type RNC60, RNR60)		MIL-PRF-55182/3	10 Ω to 2 MΩ	25, 50 and 100 ppm/°C	0.125 W to 0.25 W
	ERC65 (Military type RNC65, RNR65)		MIL-PRF-55182/5	10 Ω to 3.01 MΩ	25, 50 and 100 ppm/°C	0.25 W to 0.50 W
	ERC70 (Military type RNC70, RNR70)		MIL-PRF-55182/6	10 Ω to 3.01 MΩ	25, 50 and 100 ppm/°C	0.50 W to 0.75 W
	ERH (Military type RER60, RER65, RER70, RER75)	<ul style="list-style-type: none"> Chassis mounted Wirewound Precision Established reliability Power resistor 	MIL-PRF-39009/1	0.1 Ω to 39.2 kΩ	± 100 for 0.1 Ω to 0.99 Ω; ± 50 for 1 Ω to 19.9 Ω; ± 20 for 20 Ω and above	5 W, 10 W, 20 W and 30 W
	ENH (Military type RER40, RER45, RER50, RER55)		MIL-PRF-39009/2	1.0 Ω to 6.04 kΩ	± 50 for 1 Ω to 19.9 Ω; ± 20 for 20 Ω and above	5 W, 10 W, 20 W, and 30 W
	ERL05 (Military type RLR05)	<ul style="list-style-type: none"> Axial film resistor Established reliability military qualified (verified failure rates) Multiple body sizes Monthly acceptance testing 100 % tested per Group A Traceability of materials and processes Low noise Excellent high frequency characteristics Customs available, per source control drawings 	MIL-PRF-39017/5	4.7 Ω to 1 MΩ	100 ppm/°C	0.125 W
	ERL07 (Military type RLR07)		MIL-PRF-39017/1	1 Ω to 10 MΩ	100 ppm/°C	0.25 W
	ERL20 (Military type RLR20)		MIL-PRF-39017/2	4.3 Ω to 3.01 MΩ	100 ppm/°C	0.50 W
	ERL32 (Military type RLR32)		MIL-PRF-39017/3	1 Ω to 2.7 MΩ	100 ppm/°C	1 W
	ERL (DSCC Drawings)		97004	10 Ω to 22 MΩ	100 and 200 ppm/°C	2 W
		98020	1.1 MΩ to 22 MΩ	200 ppm/°C	0.125 W	
		98021	3.3 MΩ to 22 MΩ	200 ppm/°C	0.5 W	
		98022	3 MΩ to 22 MΩ	200 ppm/°C	1 W	
		99011	11 MΩ to 22 MΩ	200 ppm/°C	0.25 W	
	ESS / ESN (Military type RWR71)	<ul style="list-style-type: none"> Axial-leaded Wirewound Precision Established reliability Power resistor 	MIL-PRF-39007/5	0.1 Ω to 12.1 kΩ	± 650 for 0.1 Ω to 0.499 Ω; ± 400 for 0.505 Ω to 1 Ω; ± 50 for 1.1 Ω to 10 Ω; ± 20 for 10 Ω and above	2 W
	ESS / ESN (Military type RWR74)		MIL-PRF-39007/6	0.1 Ω to 12.1 kΩ		5 W
	ESS / ESN (Military type RWR78)		MIL-PRF-39007/7	0.1 Ω to 39.2 kΩ		10 W
	EGS / EGN (Military type RWR80)		MIL-PRF-39007/8	0.1 Ω to 3.16 kΩ		2 W



Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Fixed linear resistors	EGS / EGN (Military type RWR81)	<ul style="list-style-type: none"> • Axial-leaded • Wirewound • Precision • Established reliability • Power resistor 	MIL-PRF-39007/9	0.1 Ω to 1 k Ω	\pm 650 for 0.1 Ω to 0.499 Ω ; \pm 400 for 0.505 Ω to 1 Ω ; \pm 50 for 1.1 Ω to 10 Ω ; \pm 20 for 10 Ω and above	1 W
	EGS / EGN (Military type RWR84)		MIL-PRF-39007/10	0.1 Ω to 12.4 k Ω		7 W
	ESS / ESN (Military type RWR89)		MIL-PRF-39007/11	0.1 Ω to 4.12 k Ω		3 W
	EGS / EGN (Military type RWR82)		MIL-PRF-39007/12	0.1 Ω to 1.3 k Ω		1.5 W
	FRJ50	<ul style="list-style-type: none"> • Axial film resistor • Zero-ohm jumper 	87010	0 Ω	N/A	N/A
	LVR03 (Military type RLV30)	<ul style="list-style-type: none"> • Axial-leaded • Low ohmic value • Power resistor 	MIL-PRF-49465/6	0.01 Ω to 0.2 Ω	\pm 350 for 0.01 Ω to 0.0249 Ω ; \pm 200 for 0.025 Ω to 0.0499 Ω ; \pm 125 for 0.05 Ω to 0.0749 Ω ; \pm 75 for 0.075 Ω to 0.099 Ω ; \pm 50 for 0.1 Ω and above	3 W
	LVR05 (Military type RLV31)		MIL-PRF-49465/7	0.01 Ω to 0.3 Ω		5 W
	MDM14 (Military type RZ010)	<ul style="list-style-type: none"> • Thick film DIP resistor networks • Military qualified • Multiple schematics and pin counts • Monthly acceptance testing • 100 % screen tested per Group A • Traceability of materials and processes • Rugged molded body 	MIL-PRF-83401/01	10 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.05 W/element to 0.20 W/element
	MDM16 (Military type RZ020)		MIL-PRF-83401/02	10 Ω to 1 M Ω		0.05 W/element to 0.20 W/element
	MSM06C (Military type RZ040)	<ul style="list-style-type: none"> • Thick film SIP resistor networks • Military qualified • Multiple schematics and pin counts • Monthly acceptance testing • 100 % screen tested per Group A • Traceability of materials and processes • Rugged molded body 	MIL-PRF-83401/04	10 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.10 W/element to 0.20 W/element
	MSM08C (Military type RZ050)		MIL-PRF-83401/05	10 Ω to 1 M Ω		0.10 W/element to 0.20 W/element
	MSM10C (Military type RZ060)		MIL-PRF-83401/06	10 Ω to 1 M Ω		0.10 W/element to 0.20 W/element
	MSM06A (Military type RZ070)		MIL-PRF-83401/07	10 Ω to 1 M Ω		0.07 W/element to 0.12 W/element
	MSM08A (Military type RZ080)		MIL-PRF-83401/08	10 Ω to 1 M Ω		0.07 W/element to 0.12 W/element

Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Fixed linear resistors	MSM10A (Military type RZ090)	<ul style="list-style-type: none"> Thick film SIP resistor networks Military qualified Multiple schematics and pin counts Monthly acceptance testing 100 % screen tested per Group A Traceability of materials and processes Rugged molded body 	MIL-PRF-83401/09	10 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.07 W/element to 0.12 W/element
	MSM06A-S1 and S2 (Military type RZ180)		MIL-PRF-83401/18	per slash sheet	100 and 300 ppm/ $^{\circ}$ C	0.10 W/element
	MSM08A-S1 through S12 (Military type RZ190)		MIL-PRF-83401/19	per slash sheet	100 and 300 ppm/ $^{\circ}$ C	0.10 W/element
	MSM10A-S2, -S3 and -S4 (Military type RZ240)		MIL-PRF-83401/24	10 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.07 W/element to 0.12 W/element
	PTF56 (DSCC drawing)	<ul style="list-style-type: none"> Axial film resistor Ultra precision Multiple body sizes 100 % screen tested Traceability of materials and processes Very low noise Excellent high-frequency characteristics Ultra high stability Extremely low TC of R and resistance tolerance 	89088	10 Ω to 500 k Ω	5 ppm/ $^{\circ}$ C	0.1 W
	RCWPM0550 (Military type RM0505)	<ul style="list-style-type: none"> Thick film chip resistor Established reliability military qualified (verified failure rates) Multiple case sizes Monthly acceptance testing 100 % screen tested per Group A Traceability of materials and processes 	MIL-PRF-55342/02	5.6 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.055 W
	RCWPM5100 (Military type RM1005)		MIL-PRF-55342/03	5.6 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.10 W
	RCWPM5150 (Military type RM1505)		MIL-PRF-55342/04	5.6 Ω to 4.75 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.15 W
	RCWPM7225 (Military type RM2208)		MIL-PRF-55342/05	5.6 Ω to 15 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.225 W
	RCWPM0575 (Military type RM0705)		MIL-PRF-55342/06	5.6 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.10 W
	RCWPM1206 (Military type RM1206)		MIL-PRF-55342/07	5.6 Ω to 5.6 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.25 W
	RCWPM2010 (Military type RM2010)		MIL-PRF-55342/08	5.6 Ω to 15 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.80 W
	RCWPM2512 (Military type RM2512)		MIL-PRF-55342/09	5.6 Ω to 15 M Ω	100 and 300 ppm/ $^{\circ}$ C	1 W
	RCWPM1100 (Military type RM1010)		MIL-PRF-55342/10	5.6 Ω to 5.6 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.50 W
	RCWPM0402 (Military type RM0402)		MIL-PRF-55342/11	5.6 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.04 W
RCWPM0603 (Military type RM0603)	MIL-PRF-55342/12		5.6 Ω to 1 M Ω	100 and 300 ppm/ $^{\circ}$ C	0.07 W	
RCWPM (DSCC drawings)	<ul style="list-style-type: none"> Thick film chip resistor Zero-ohm jumper Multiple case sizes 		03002, 03013, 03014, 03015, 03016, 87011, 90047, 90048, 90049, 90092, 94011	0 Ω	N/A	N/A
RH / NH (Military type RE60, RE65, RE70, RE75)	<ul style="list-style-type: none"> Chassis mounted Wirewound precision Power resistor 	MIL-PRF-18546/1	0.1 Ω to 39.2 k Ω	\pm 100 for 0.1 Ω to 0.99 Ω ; \pm 50 for 1 Ω to 19.9 Ω ; \pm 20 for 10 Ω and above	5 W, 10 W, 20 W and 30 W	
RH / NH (Military type RE60, RE65, RE70, RE75)		MIL-PRF-18546/2	0.1 Ω to 35.7 k Ω	\pm 100 for 0.1 Ω to 0.99 Ω ; \pm 50 for 1 Ω to 19.9 Ω ; \pm 20 for 10 Ω and above	75 W and 120 W	



Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	TCR	Power Rating
Fixed linear resistors	HDN55 (Military Type RNR55, RNN55)	<ul style="list-style-type: none"> • Axial film resistor • Established reliability military qualified (verified failure rates) • Multiple body sizes • Monthly acceptance testing • 100 % tested per Group A • Traceability of materials and processes • Low noise • Hermetic glass enclosure is impervious to harmful environment 	MIL-PRF-55182/1	10 Ω to 1.21 MΩ	25 and 50 ppm/°C	0.10 W to 1.25 W
	HDN57 (Military Type RNR57, RNN57)		MIL-PRF-55182/2	49.9 Ω to 200 kΩ	25 and 50 ppm/°C	0.125 W to 0.25 W
	HDN60 (Military Type RNR60, RNN60)		MIL-PRF-55182/3	10 Ω to 2.49 MΩ	25 and 50 ppm/°C	0.125 W to 0.25 W
	HDN65 (Military Type RNR65, RNN65)		MIL-PRF-55182/5	24.9 Ω to 4.99 MΩ	25 and 50 ppm/°C	0.25 W to 0.50 W
	HDN70 (Military Type RNR70, RNN70)		MIL-PRF-55182/6	24.9 Ω to 4.99 MΩ	25 and 50 ppm/°C	0.50 W to 0.75 W
	HDN75 (Military Type RNR70, RNN75)		MIL-PRF-55182/10	49.9 Ω to 1.21 MΩ	25 ppm/°C	1 W to 2 W
	RS (Military type RW67, RW68, RW69)	<ul style="list-style-type: none"> • Axial-leaded • Wirewound • Precision • Power resistor 	MIL-PRF-26/4	0.1 Ω to 20 kΩ	± 650 for 0.1 Ω to 0.498 Ω; ± 400 Ω for 0.499 Ω to 0.999 Ω; ± 50 for 1 Ω to 9.9 Ω; ± 30 for 10 Ω to 19.9 Ω; ± 20 for 20 Ω and above	3 W, 6.5 W and 11 W
	RS / G (Military type RW70, RW74, RW78, RW79)		MIL-PRF-26/5	0.1 Ω to 71.5 kΩ	± 650 for 0.1 Ω to 0.498 Ω; ± 400 Ω for 0.499 Ω to 0.999 Ω; ± 50 for 1 Ω to 9.9 Ω; ± 30 for 10 Ω to 19.9 Ω; ± 20 for 20 Ω and above	1 W to 3 W, 5 W and 10 W
	RS / G (Military type RW80, RW81)		MIL-PRF-26/6	0.1 Ω to 2.74 kΩ	± 650 for 0.1 Ω to 0.498 Ω; ± 400 Ω for 0.499 Ω to 0.999 Ω; ± 50 for 1 Ω to 9.9 Ω; ± 30 for 10 Ω to 19.9 Ω; ± 20 for 20 Ω and above	1 W and 2 W
	SOMC (DSCC drawings)	<ul style="list-style-type: none"> • Thick film SMD DIP resistor networks • Multiple schematics and pin counts • Rugged molded body 	87012, 87013	10 Ω to 2.2 MΩ	100 and 300 ppm/°C	0.08 W/element to 0.16 W/element
	SPR1005 (Military type RLV10)	<ul style="list-style-type: none"> • Axial-leaded • Low-ohmic value • Power resistor 	MIL-PRF-49465/1	0.01 Ω to 0.5 Ω	± 150 for 0.01 Ω to 0.0249 Ω; ± 125 for 0.025 Ω to 0.0499 Ω; ± 100 for 0.05 Ω to 0.0749 Ω; ± 50 for 0.075 Ω to 0.099 Ω; ± 50 for 0.1 Ω and above	5 W
	WSC0001 - 15 (93706)	Surface mount, 1 W, power resistor	93076	0.1 Ω to 2.77 kΩ	± 90 for 0.1 Ω to 0.99 Ω; ± 50 for 1.0 Ω to 9.9 Ω; ± 20 for 10.0 Ω and above	1 W
	WSC0002 - 15 (93077)	Surface mount, 2 W, power resistor	93077	0.1 Ω to 10.4 kΩ		2 W
	WSC01/2 - 15 (93075)	Surface mount, 1/2 W, power resistor	93075	0.1 Ω to 4.99 Ω		0.5 W
	WSL2512 (Military type VLV2512)	<ul style="list-style-type: none"> • Metal strip • Low-ohmic value • Power surface mount resistor 	A-A-55534/08	0.005 Ω to 0.1 Ω	400 ppm/°C	1 W
	WSL2010 (Military type VLV2010)		A-A-55534/07	0.007 Ω to 0.5 Ω		0.5 W
	WSL1206 (Military type VLV1206)		A-A-55534/02	0.007 Ω to 0.5 Ω		0.25 W
WSR2 (Military type VLV2)	A-A-55534/09		0.005 Ω to 1.0 Ω	110 ppm/°C	2 W	

Capacitors

Vishay



Component	Series/Part Number	Features/Benefits/Qualifications	Qualification	Qualified Value Range	Voltage Range
MLCC specialty product line	CDR01	<ul style="list-style-type: none"> Standard capacitance 0805 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/1	10 pF - 4700 pF	50 V - 100 V
	CDR02	<ul style="list-style-type: none"> Standard capacitance 1805 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/1	1220 pF - 22,000 pF	50 V - 100 V
	CDR03	<ul style="list-style-type: none"> Standard capacitance 1808 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/1	330 pF - 68,000 pF	50 V - 100 V
	CDR04	<ul style="list-style-type: none"> Standard capacitance 1812 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/1	1200 pF - 108,000 pF	50 V - 100 V
	CDR06	<ul style="list-style-type: none"> Standard capacitance 2225 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/3	390,000 pF - 470,000 pF	50 V
	CDR31	<ul style="list-style-type: none"> Standard capacitance 0805 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/7	1.0 pF - 18,000 pF	50 V - 100 V
	CDR32	<ul style="list-style-type: none"> Standard capacitance 1206 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/8	1.0 pF - 39,000 pF	
	CDR33	<ul style="list-style-type: none"> Standard capacitance 1210 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/9	1000 pF - 100,000 pF	
	CDR34	<ul style="list-style-type: none"> Standard capacitance 1812 case size Multilayer ceramic chip capacitors Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/10	2200 pF - 180,000 pF	
	CDR35	<ul style="list-style-type: none"> Standard capacitance 1825 case size Established reliability Tin/lead "Z" code and solder coat "U" code terminations available 	MIL-PRF-55681/11	4700 pF - 470,000 pF	
	DSCC 03028	<ul style="list-style-type: none"> Standard capacitance Smaller case size (0603) Screened per DSCC drawing Tin/lead "Z" code terminations available 	DSCC 03028	0.5 pF - 0.1 μF	
	DSCC 03029	<ul style="list-style-type: none"> Standard capacitance Smaller case size (0402) Multilayer ceramic chip capacitors Screened per DSCC drawing Tin/lead "Z" code terminations available 	DSCC 03029	0.5 pF - 3900 pF	
	DSCC 05006	<ul style="list-style-type: none"> Extended capacitance Standard CDR case size (0805) Screened per DSCC drawing Tin/lead "Z" code and solder coat "U" code terminations available 	DSCC 05006	0.5 pF - 0.1 μF	10 V - 200 V
	DSCC 05007	<ul style="list-style-type: none"> Extended capacitance Standard CDR case size (1206) Screened per DSCC drawing Tin/lead "Z" code and solder coat "U" code terminations available 	DSCC 05007	0.5 pF - 0.33 μF	16 V - 200 V
	VJ HiRel COG (NPO)	<ul style="list-style-type: none"> Extended capacitance, case sizes 0402 to 2225 Hi-rel screened to MIL-PRF-55681 Group A and C guidelines Tin/lead terminations available 	HI REL COTS	0.5 pF - 0.056 μF	10 V - 600 V
	VJ HiRel X7R / X5R	<ul style="list-style-type: none"> Extended capacitance Case sizes 0402 to 3640 Hi-rel screened to MIL-PRF-55681 Group A and C guidelines Tin/lead terminations available 	HI REL COTS	100 pF - 6.8 μF	10 V - 500 V



Component	Series/Part Number	Features/Benefits/Qualifications	Qualification	Qualified Value Range	Voltage Range	
Tantalum capacitors	CWR06	<ul style="list-style-type: none"> Standard capacitance range Conformal case Tantalum chip capacitor Established reliability Gold or tin/lead terminations available 	MIL-PRF-55363/4	0.10 μ F - 100 μ F	4 V - 50 V	
	CWR16	<ul style="list-style-type: none"> Extended capacitance range Conformal case Tantalum chip capacitor, Established reliability Gold or tin/lead terminations available 	MIL-PRF-55365/13	0.33 μ F - 330 μ F	4 V - 35 V	
	DSCC 02002	<ul style="list-style-type: none"> Vishay 195D series Standard capacitance range Conformal coated Tantalum chip capacitor Hi-rel screened Tin/lead terminations available 	DSCC 02002	10 μ F - 150 μ F	10 V - 40 V	
	T95	<ul style="list-style-type: none"> Extended capacitance Conformal case Tantalum chip capacitor Hi-rel screened Tin/lead terminations available 	HI REL COTS	0.10 μ F - 680 μ F	4 V - 50 V	
	CWR11	<ul style="list-style-type: none"> Standard capacitance range Molded case Tantalum chip capacitor Established reliability Tin/lead terminations 	MIL-PRF-55365/8	0.10 μ F - 100 μ F		
	DSCC 95158	<ul style="list-style-type: none"> Vishay 593D series Low ESR Standard capacitance range Molded case Tantalum chip capacitor Hi-rel screened Tin/lead terminations available 	DSCC 95158	4.7 μ F - 220 μ F		
	T83	<ul style="list-style-type: none"> Extended capacitance Molded case Tantalum chip capacitor Hi-rel screened Tin/lead terminations available 	HI REL COTS	0.10 μ F - 330 μ F		
	CSR13	<ul style="list-style-type: none"> Standard capacitance range Metal case Hermetically sealed Axial-leaded Solid tantalum capacitor Tin/lead terminations 	MIL-PRF-39003/01	0.056 μ F - 330 μ F		6 V - 100 V
	CSR23	<ul style="list-style-type: none"> Extended capacitance range Metal case Hermetically sealed Axial-leaded Solid tantalum capacitor Tin/lead terminations 	MIL-PRF-39003/03	1.2 μ F - 1000 μ F		6 V - 50 V
	T97	<ul style="list-style-type: none"> Ultra-low ESR Robust dual anode design Extended capacitance Conformal case Tantalum chip capacitor Hi-rel screened Tin/lead terminations available 	HI REL COTS	22 μ F - 1500 μ F	4 V - 50 V	
	CSR21	<ul style="list-style-type: none"> Standard capacitance range Low ESR Metal case Hermetically sealed Axial-leaded Solid tantalum capacitor Tin/lead terminations 	MIL-PRF-39003/09	5.6 μ F - 330 μ F	6 V - 50 V	

Capacitors

Vishay



Component	Series/Part Number	Features/Benefits/Qualifications	Qualification	Qualified Value Range	Voltage Range
Tantalum capacitors	CLR65	<ul style="list-style-type: none"> Standard capacitance range Silver case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/09	1.7 μ F - 1200 μ F	6 V - 125 V
	CLR69	<ul style="list-style-type: none"> Extended capacitance range Silver case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/21	6.8 μ F - 2200 μ F	
	M39006/22 or CLR79	<ul style="list-style-type: none"> Standard capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/22	1.7 μ F - 1200 μ F	
	M39006/25 or CLR81	<ul style="list-style-type: none"> Extended capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/25	6.8 μ F - 2200 μ F	
	M39006/30 or CLR90	<ul style="list-style-type: none"> Low ESR Standard capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/30	1.7 μ F - 1200 μ F	
	M39006/31 or CLR91	<ul style="list-style-type: none"> Low ESR Standard capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	MIL-PRF-39006/31	6.8 μ F - 2200 μ F	
	DSCC 06013	<ul style="list-style-type: none"> Space level screened, CLR79, MIL approved Standard capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	DSCC 06013	1.7 μ F - 1200 μ F	
	DSCC 06014	<ul style="list-style-type: none"> Space level screened, CLR81, MIL approved Extended capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	DSCC 06014	6.8 μ F - 2200 μ F	
	DSCC 06015	<ul style="list-style-type: none"> Space level screened, CLR90, MIL approved Low ESR Standard capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	DSCC 06015	1.7 μ F - 1200 μ F	
	DSCC 06016	<ul style="list-style-type: none"> Space level screened, CLR91, MIL approved Low ESR Extended capacitance range Tantalum case, hermetically sealed, axial-leaded Wet tantalum capacitor Established reliability Tin/lead terminations 	DSCC 06016	6.8 μ F - 2200 μ F	



Component	Series/Part Number	Features/Benefits/Qualifications	Qualification	Qualified Value Range	Voltage Range
Tantalum capacitors	ST	<ul style="list-style-type: none"> • Ultra extended capacitance range • Tantalum case, hermetically sealed, axial-leaded • Wet tantalum capacitor • Tin/lead terminations 	HI REL COTS	10 μ F - 1800 μ F	25 V - 125 V
	DSCC 93026	<ul style="list-style-type: none"> • Super extended capacitance range • Tantalum case, hermetically sealed, axial-leaded • Wet tantalum capacitor • Hi-rel screened • Tin/lead terminations 	DSCC 93026	10 μ F - 1800 μ F	
	STA	<ul style="list-style-type: none"> • Ultra extended capacitance range • Tantalum case, hermetically sealed, axial-leaded • Wet tantalum capacitor • Tin/lead terminations 	HI REL COTS	150 μ F - 4700 μ F	6 V - 15 V
	STE	<ul style="list-style-type: none"> • Ultra extended capacitance range • Tantalum case, hermetically sealed, axial-leaded • Wet tantalum capacitor, tin/lead terminations 		750 μ F - 6000 μ F	16 V - 75 V
	DSCC 04033	<ul style="list-style-type: none"> • MIL-DTL-3965 styles • CL13, CL16, CL19 • Metal case, hermetically sealed, axial and solder lug configurations • Wet tantalum capacitor • Tin/lead terminations 	DSCC 04033	2 μ F - 1300 μ F	8 V - 630 V
	DSCC 04021	<ul style="list-style-type: none"> • MIL-DTL-3965 styles • CL55 • Metal case, hermetically sealed, solder lug configurations, • Wet tantalum capacitor array • Tin/lead terminations 	DSCC 04021	70 μ F - 2400 μ F	15 V - 150 V

Component	Series/Part Number	Features/Benefits	Qualification	Qualified Value Range	Rated DC Current
Magnetics/ Inductors	MS21426	<ul style="list-style-type: none"> Type LT Molded Shielded Miniature Tin/lead axial leads IMS-2 series 	MIL-PRF-15305 -14 to -37	1.2 μ H to 100 μ H	51 mA to 247 mA
	MS75087	<ul style="list-style-type: none"> Type LT Molded Shielded Tin/lead axial leads IMS-5 series 	MIL-PRF-15305 -1 to -12	0.10 μ H to 0.82 μ H	370 mA to 1790 mA
	MS75088		MIL-PRF-15305 -1 to -14	1.0 μ H to 12 μ H	200 mA to 1070 mA
	MS75083	<ul style="list-style-type: none"> Type LT Molded Tin/lead axial leads IM-2 series 	MIL-PRF-15305 -1 to -13	0.10 μ H to 1.0 μ H	385 mA to 1350 mA
	MS75084		MIL-PRF-15305 -1 to -17	1.2 μ H to 27 μ H	135 mA to 590 mA
	MS75085		MIL-PRF-15305 -1 to -19	33 μ H to 1000 μ H	28 mA to 130 mA
	MS18130	<ul style="list-style-type: none"> Type LT Molded Tin/lead axial leads IM-4 Series 	MIL-PRF-15305 -1 to -16	0.15 μ H to 4.7 μ H	260 mA to 2450 mA
	MS14046		MIL-PRF-15305 -1 to -10	5.6 μ H to 33 μ H	165 mA to 495 mA
	MS90538		MIL-PRF-15305 -1 to -21	36 μ H to 240 μ H	101 mA to 180 mA
	MS75101	<ul style="list-style-type: none"> Type LT Molded Tin/lead axial leads IM-6 Series 	MIL-PRF-15305 -1 to -12	3.3 μ H to 27 μ H	205 mA to 990 mA

SEMICONDUCTORS:

Rectifiers • High-Power Diodes and Thyristors • Small-Signal Diodes • Zener and Suppressor Diodes
• FETs • Optoelectronics • ICs • Modules

PASSIVE COMPONENTS:

Resistive Products • Magnetics • Capacitors



One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

WORLDWIDE SALES CONTACTS

THE AMERICAS

UNITED STATES

VISHAY AMERICAS
ONE GREENWICH PLACE
SHELTON, CT 06484
UNITED STATES
PH: +1-402-563-6866
FAX: +1-402-563-6296

ASIA

SINGAPORE

VISHAY INTERTECHNOLOGY ASIA PTE LTD.
37A TAMPINES STREET 92 #07-00
SINGAPORE 528886
PH: +65-6788-6668
FAX: +65-6788-0988

P.R. CHINA

VISHAY CHINA CO., LTD.
15D, SUN TONG INFOPORT PLAZA
55 HUAI HAI WEST ROAD
SHANGHAI 200030
P.R. CHINA
PH: +86-21-5258 5000
FAX: +86-21-5258 7979

JAPAN

VISHAY JAPAN CO., LTD.
SHIBUYA PRESTIGE BLDG. 4F
3-12-22, SHIBUYA
SHIBUYA-KU
TOKYO 150-0002
JAPAN
PH: +81-3-5466-7150
FAX: +81-3-5466-7160

EUROPE

GERMANY

VISHAY ELECTRONIC GMBH
GEHEIMRAT-ROSENTHAL-STR. 100
95100 SELB
GERMANY
PH: +49-9287-71-0
FAX: +49-9287-70435

FRANCE

VISHAY S.A.
199, BLVD DE LA MADELEINE
06003 NICE, CEDEX 1
FRANCE
PH: +33-4-9337-2727
FAX: +33-4-9337-2726

UNITED KINGDOM

VISHAY LTD.
SUITE 6C, TOWER HOUSE
ST. CATHERINE'S COURT
SUNDERLAND ENTERPRISE PARK
SUNDERLAND SR5 3XJ
UNITED KINGDOM
PH: +44-191-516-8584
FAX: +44-191-549-9556

Build **Vishay**
into your **Design**

www.vishay.com

VMN-SG2090-1007