

Electronics

Two-Way Power Divider, 1000 - 2000 MHz

Features

- Phase Balance: 2° Typical •
- Isolation: 20 dB Typical Midband •
- Input VSWR: 1.25:1 Typical Midband •
- Impedance: 50 Ohms Nominal •
- Maximum Power Rating or Input Power: 1 Watt Max. •
- Internal Load Dissipation: 0.1 Watts Max.
- MIL-STD-202 Screening Available •

Description

A Power Divider is ideally a lossless reciprocal device which can also perform vector summation of two or more signals and thus is sometimes called a power combiner or summer.

Pin Configuration

Pin No.	Function	Pin No.	Function
1	Output D	7	
2	GND	8	GND
3		9	Output C
4	GND	10	
5	Σ	11	
6	GND	12	

Electrical Specifications¹: $T_A = -55^{\circ}C$ to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Мах
Insertion Loss	Less Coupling	1000 - 2000 MHz	dB	_	-	0.5
Isolation	_	1000 - 2000 MHz	dB	10		_
Amplitude Balance	_	1000 - 2000 MHz	dB	_	_	0.2
Phase Balance	-	1000 - 2000 MHz	o			6
VSWR	Input Output	1000 - 2000 MHz 1000 - 2000 MHz	Ratio Ratio			1.7:1 1.4:1

1. All specifications apply with 50 ohm source and load impedance.

This product contains elements protected by United States Patent Number 3,428,920.

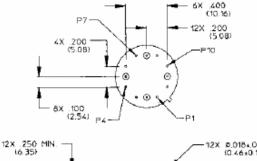
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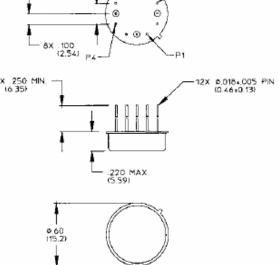
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TO-8-2

Botton of Case is AC Ground Dimensions in 0 are in mr. Unless Otherwise Noted .XXX = x0.010 (.XX = x0.25) XX = ±0.02 (X = ±0.5)





DS-332

V3

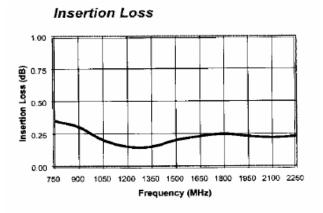


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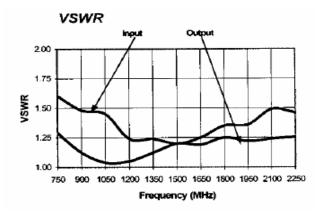
Typical Performance Curves

Insertion Loss

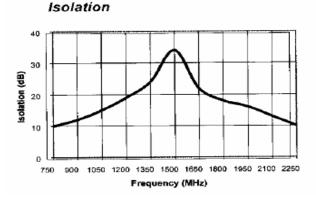


VSWR

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Isolation



Ordering Information

Part Number	Package		
DS-332 PIN	TO-8-2		

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