

Surface Mount Two-Way Power Divider, 5 - 1000 MHz

Rev. V4

Features

Fully Hermetic PackageLow Loss: 0.3 dB Typical

Amplitude Balance: 0.05 dB Typical

• Impedance: 50 Ohms Nominal

Maximum Power Rating or Input Power: 1 Watt Max.

• Internal Load Dissipation: 0.05 Watts Max.

MIL-STD-202 Screening Available

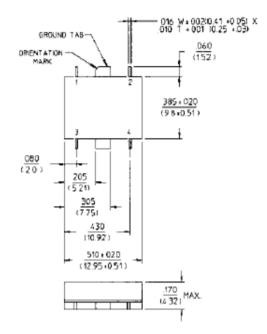
Description

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	Σ	3	GND
2	Output C	4	Output D

SF-1



Dimensions in 0 are in inin Unless Otherwise Noted: XXX + 40.016 XX = 40.02 WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS

Electrical Specifications¹: $T_A = -55$ °C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Insertion Loss	Less Coupling	5 - 500 MHz 500 - 1000 MHz	dB dB	1 1		0.5 1.0
Isolation	_	5 - 500 MHz 500 - 1000 MHz	dB dB	20 16	_	_
Amplitude Balance	_	5 - 1000 MHz	dB	_	_	0.3
Phase Balance	_	5 - 500 MHz 500 - 1000 MHz	0	_	_	2 3
VSWR	All Ports	10 - 500 MHz 5 - 1000 MHz	Ratio Ratio			1.4:1 1.6:1

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

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



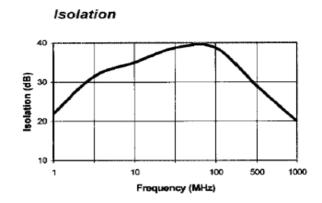
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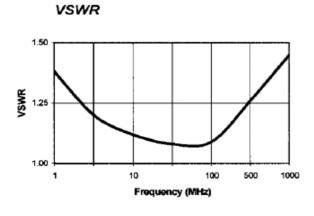
Typical Performance Curves

Insertion Loss

Isolation



VSWR



Ordering Information

Part Number	Package		
DSS-327 PIN	SF-1		

DSS-327



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