



Surface Mount Two-Way Power Divider, 10 - 500 MHz

DSS-333 V3

Features

Fully Hermetic Package
Phase Balance: 0.5° Typical

• Isolation: 40 dB Typical Midband

VSWR: 1.05:1 Typical MidbandImpedance: 50 Ohms Nominal

• Maximum Power Rating or Input Power: 1 Watt Max.

• Internal Load Dissipation: 0.05 Watts Max.

• MIL-STD-202 Screening Available

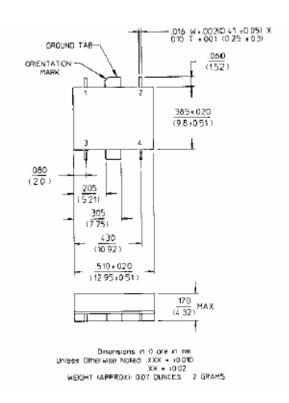
Description

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	ΣΙΝ	3	GND
2	Output C	4	Output D

SF-1



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

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Insertion Loss	Less Coupling	10 - 500 MHz	dB	_	_	0.6
Isolation	_	10 - 500 MHz	dB	25	_	_
Amplitude Balance	_	10 - 500 MHz	dB	_	_	0.15
Phase Balance	П	10 - 500 MHz	0			2
VSWR	All Ports	10 - 500 MHz	Ratio	_	_	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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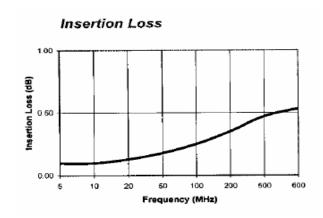


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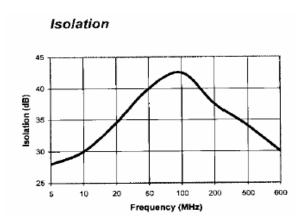
DSS-333

Typical Performance Curves

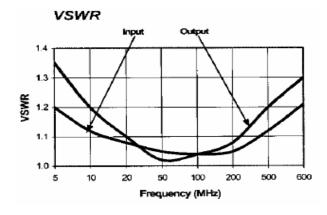
Insertion Loss



Isolation



VSWR



Ordering Information

Part Number	Package	
DSS-333 PIN	SF-1	

[•] Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300

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