

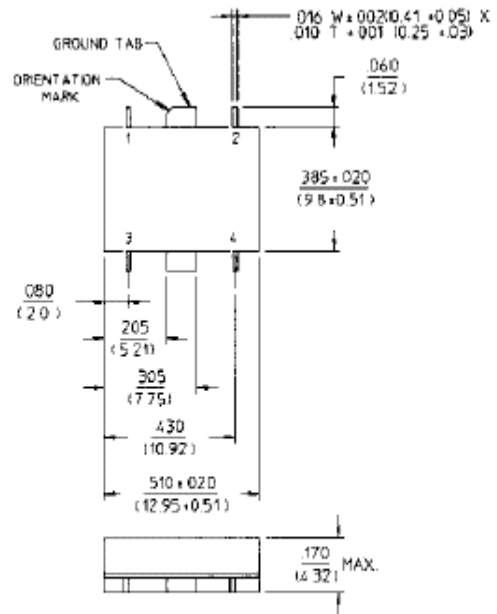
Surface Mount Two-Way Power Divider, 5 - 1000 MHz

Rev. V4

Features

- Fully Hermetic Package
- Low 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

SF-1



Dimensions in ϕ are in mm
Unless Otherwise Noted: .XXX ± 0.010
.XX ± 0.02
WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS

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

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

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

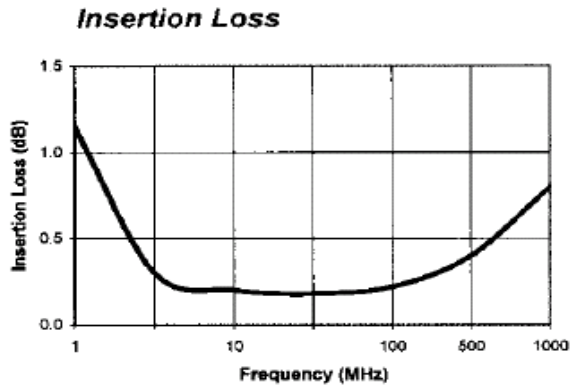
1. All specifications apply with 50 ohm source and load impedance.

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

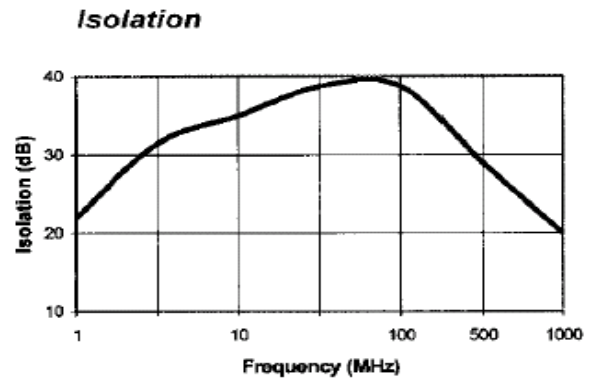
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Typical Performance Curves

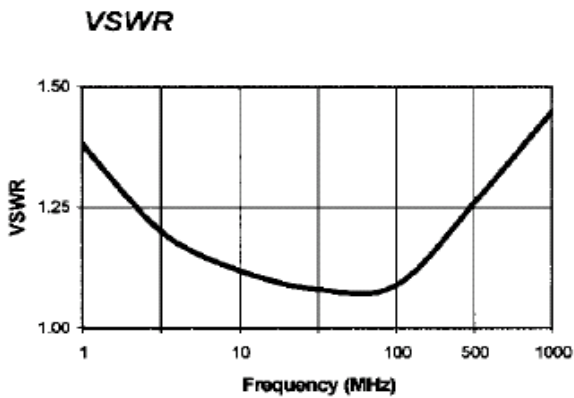
Insertion Loss



Isolation



VSWR



Ordering Information

Part Number	Package
DSS-327 PIN	SF-1

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9