

## Plug -In Two Way Power Divider

### 5-500 MHz

Rev. V4

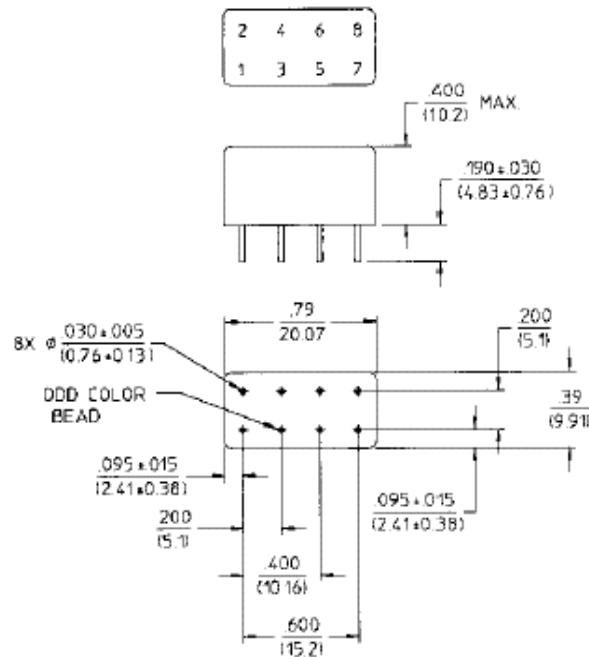
#### Features

- Low Cost
- Convenient Plug-In Mounting
- Impedance: 50 Ohms Nominal
- Maximum Power Rating or Input Power: 1 Watt Max.
- Internal Load Dissipation: 0.125 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.

#### RH-1



Dimensions in 0 are in mm  
 Unless Otherwise Noted: XXX = ±0.010 (XX = ±0.25)  
 WEIGHT (APPROX): 0.23 OUNCES 6.5 GRAMS

#### Pin Configuration

Pin No.	Function	Pin No.	Function
1	$\Sigma$	5	Output
2	GND	6	Output
3	GND	7	GND
4	GND	8	GND

#### Ordering Information

Part Number	Package
DS-318 PIN	RH-1

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Electrical Specifications<sup>1</sup>:  $T_A = -55^\circ\text{C}$  to  $+85^\circ\text{C}$ 

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
Insertion Loss	Less Coupling	10 - 200 MHz 5 - 500 MHz	dB dB	— —	— —	0.5 1.0
Isolation	—	5 - 500 MHz	dB	18	—	—
Amplitude Balance	—	5 - 500 MHz	dB	—	—	0.2
Phase Balance	—	5 - 500 MHz	°	—	—	2
VSWR	All Ports	5 - 500 MHz	Ratio	—	—	1.5:1

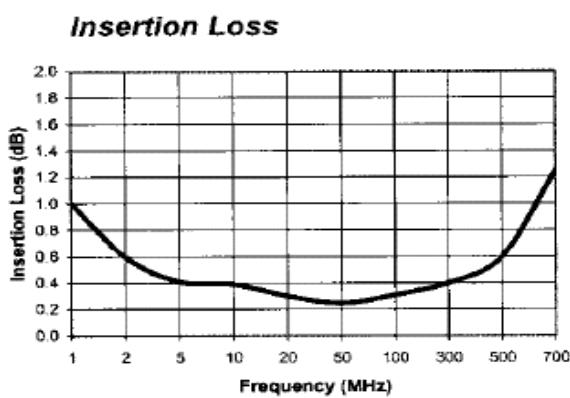
1. All specifications apply with 50 ohm source and load impedance.  
 This product contains elements protected by United States Patent Number 3,428,920.

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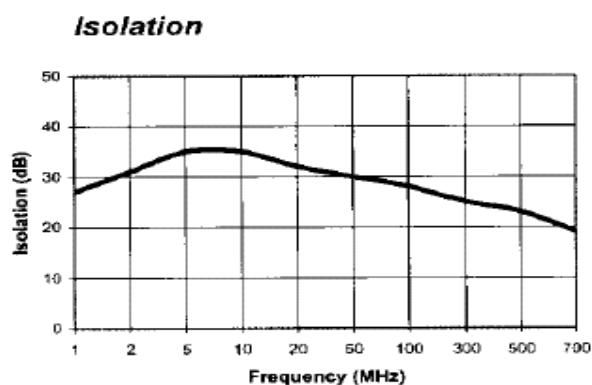
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### Typical Performance Curves

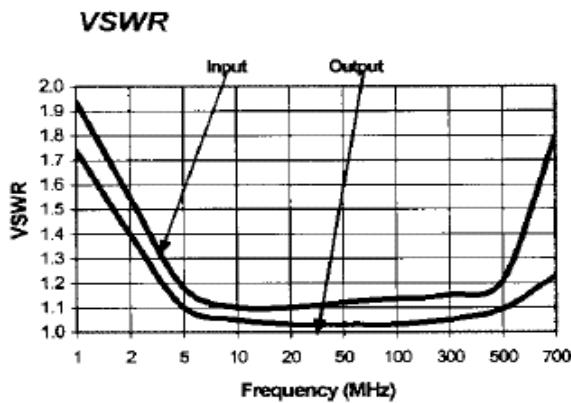
*Insertion Loss*



*Isolation*



**VSWR**



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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 дистрибуторами 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 Р В 0015-002 и ЭС РД 009

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