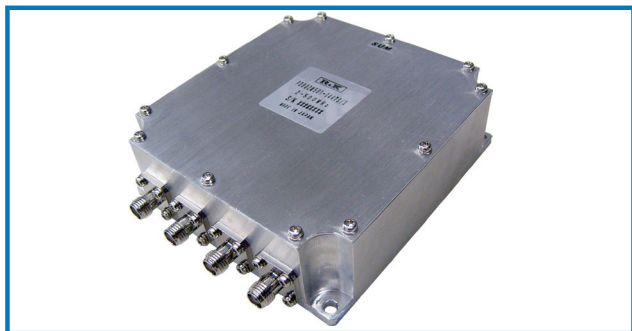


HIGH POWER DIVIDER/COMBINER

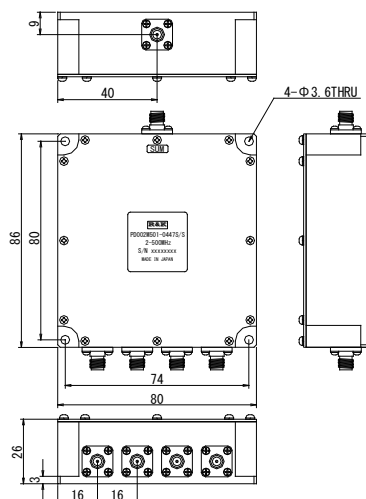


R&K-PD002M501-0447S/S



OUTLINE DRAWING

※IN MILLIMETERS



- Frequency Range : 2MHz ~ 500MHz
- 4way-0°
- High Power $\geq 50W$
- Power Divider and Combiner

SPECIFICATIONS @ +25°C

Frequency Range	: 2MHz ~ 500MHz
Insertion Loss (Except Theoretical Loss 6.0dB)	: 0.7dB (max.)
Amplitude Balance	: 0.3dB (max.)
Isolation	: 18.0dB (min.)
Phase Balance	: 5° (max.)
Phase Difference	: 0°
Between Output Ports	
Return Loss (All Ports)	: -15.0dB (max.)
Impedance	: 50Ω
Maximum RF Input Power (Total Combined Power at SUM Port) (1.2:1 Load VSWR)	: 50W @ +25°C
Operating Temperature	: -20°C to +45°C
Storage Temperature	: -20°C to +75°C
Connectors (Standard)	: SMA-FEMALE
Connectors (Option)	: BNC-FEMALE
Weight (SMA Connector)	: 450g (typ.)

Caution : Absolute Maximum (surface of Base Plate) temperature of this products must be < +85°C
Proper Cooling must be required.

HOW TO ORDER

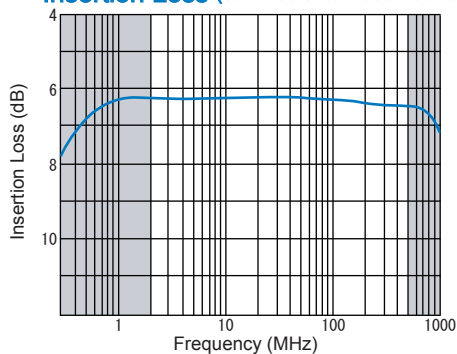
Model Name
R&K-PD002M501-0447S/S

Other Port : S = SMA - FEMALE
 B = BNC - FEMALE

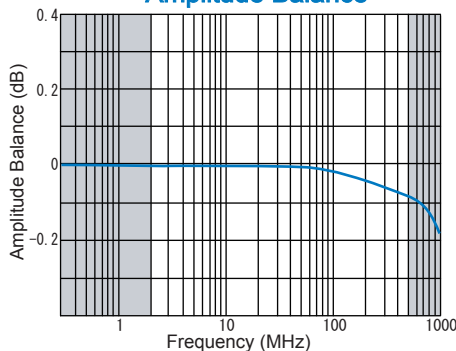
SUM Port : S = SMA - FEMALE
 B = BNC - FEMALE

TYPICAL PERFORMANCE (Temp @+25°C)

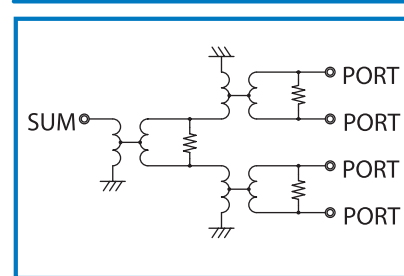
Insertion Loss (6dB theoretical Loss included)



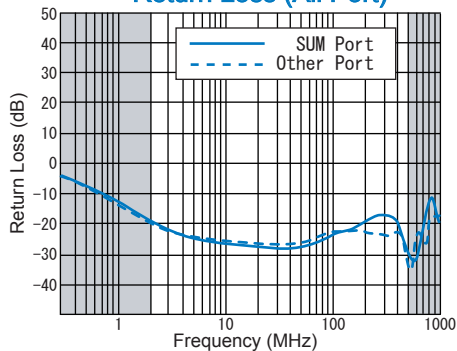
Amplitude Balance



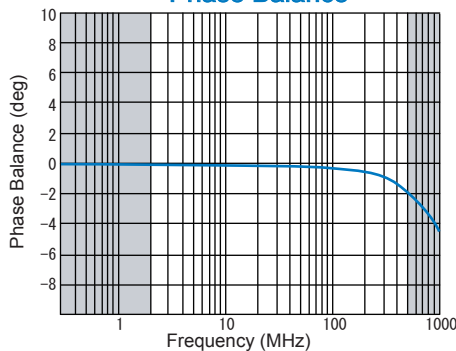
SCHEMATIC



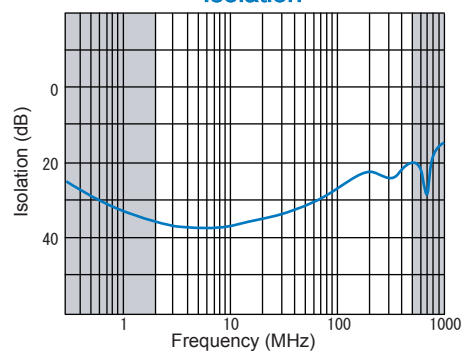
Return Loss (All Port)



Phase Balance



Isolation



R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com