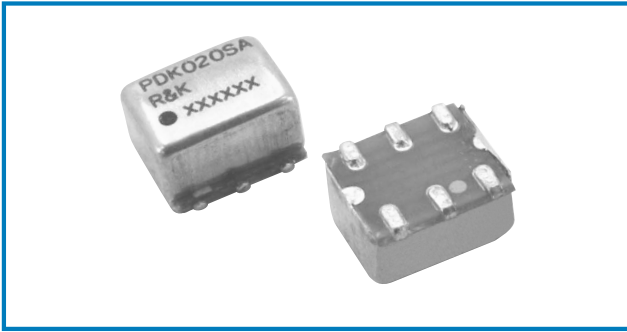


POWER DIVIDER/COMBINER

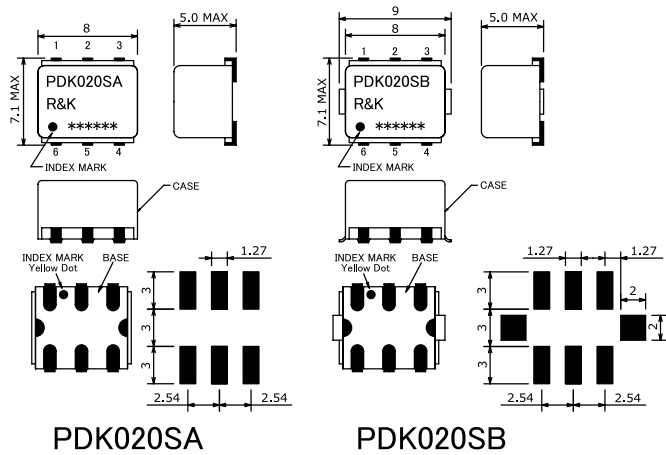


R&K-PDK020



OUTLINE DRAWING

※IN MILLIMETERS



- Frequency : 5MHz-1000MHz
- 2Way-0° Low-Loss High-Isolation
- Small & Low Cost / Surface Mount
- RoHS Compliance

SPECIFICATIONS

Frequency Range : 5-1000MHz
 Insertion Loss (Except Theoretical Loss 3.0dB)

| | 5 - 50MHz | 50 - 200MHz | 200 - 1000MHz |
|------|-----------|-------------|---------------|
| Typ. | 0.3dB | 0.5dB | 0.8dB |
| Max. | 0.5dB | 0.8dB | 2.0dB |

Isolation

| | 5 - 50MHz | 50 - 200MHz | 200 - 1000MHz |
|------|-----------|-------------|---------------|
| Typ. | 25dB | 22dB | 20dB |
| Min. | 18dB | 18dB | 18dB |

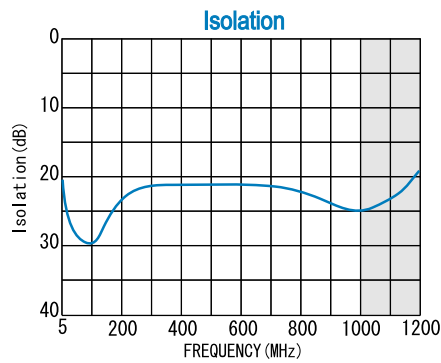
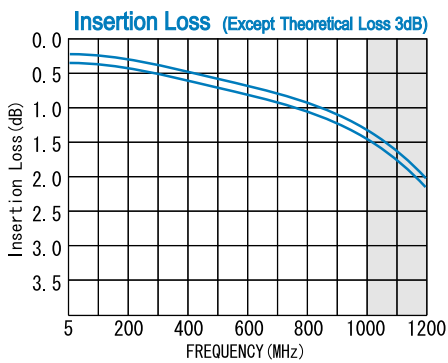
- Amplitude Balance : 0.5dB (max.)
- Phase Balance : 4.0deg (max.)
- Phase Difference : 0°
- VSWR (SUM) : 1.3:1 (max.)
- VSWR (Other) : 1.4:1 (max.)
- Impedance (All Ports) : 50 Ω
- Maximum RF Input Power : 1W (max.)
- Internal Load Dissipation : 0.1W
- Operating Temperature : -40°C to + 85°C
- Storage Temperature : -40°C to +100°C
- Max.Reflow Soldering Temp. : 260°C,10sec.
- Reflow Soldering Repeatability : 3 times
- Weight (Standard) : 0.48g (typ.)

HOW TO ORDER

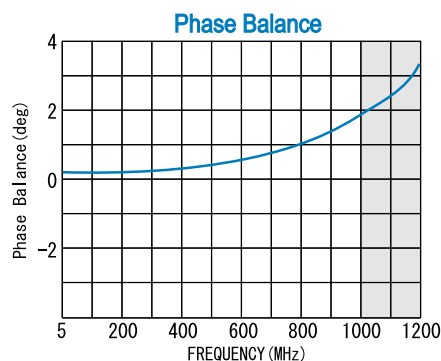
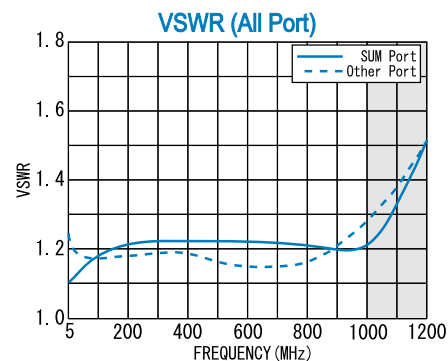
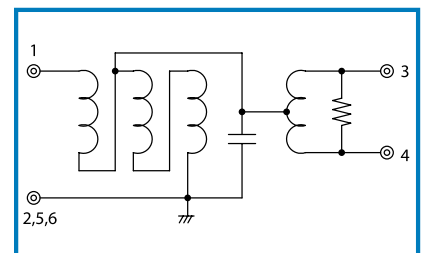
Model Name R&K-PDK020SA-BLK

- BLK=Antistatic bag
- TR1=Tape & Reel Package
- SA=Case Type of SA
- SB=Case Type of SB

TYPICAL PERFORMANCE (Temp @+25°C)



SCHEMATIC



| Function | Pin No. |
|----------|---------|
| SUM | 1 |
| PORT-1 | 3 |
| PORT-2 | 4 |
| GND | 2, 5, 6 |

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.

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