**R&K-DC520-0S**

**DIRECTIONAL COUPLER**

**R&K Company Limited**
721-1 Maeda, Fuji-City, Shizuoka Pref, 416-8577 Japan
Tel: +81-545-31-2800  E-mail: info@rkco.jp  Fax: +81-545-31-1600  URL: http://rk-microwave.com

### TYPICAL PERFORMANCE

- **Main Line Loss**
  - Frequency (GHz) vs. Main Line Loss (dB)
  - Frequency (GHz) vs. Main Line Loss (dB)

- **Directivity**
  - Frequency (GHz) vs. Directivity (dB)

- **Coupling**
  - Frequency (GHz) vs. Coupling (dB)

- **VSWR (Input, Output Port)**
  - Frequency (GHz) vs. VSWR

- **VSWR (FWD, REF Port)**
  - Frequency (GHz) vs. VSWR

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 1500MHz ~ 4500MHz
- **Main Line Loss**: 0.5dB (max.)
- **Coupling**: 20.0dB ± 1.5dB
- **Coupling Flatness**: ± 1.0dB
- **Directivity**: 18.0dB (min.)
- **± 1.5dB**
- **± 1.0dB**
- **18.0dB (min.)**
- **23.0dB (typ.)**
- **VSWR (All Ports)**: 1.5:1 (max.)
- **Impedance**: 50Ω
- **Maximum RF Input Power**: 120W
- **Operating Temperature**: -40°C to +85°C
- **Storage Temperature**: -40°C to +100°C
- **Connectors**: SMA-FEMALE
- **Weight**: 100g (typ.)

**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.**