FREQUENCY DOUBLER

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-DB010-0S

- Frequency Range: 0.1 ~ 500MHz
- High Harmonic Rejection
- Low Conversion Loss
- Low Cost
- RoHS Compliance

SPECIFICATIONS
- Input Frequency Range: 0.1 - 250MHz
- Output Frequency Range: 0.2 - 500MHz
- Conversion Loss: 14.5dB (max.)
- Input Power Range: +10 to +13dBm
- Fundamental Signal Suppression: 15dBc (min.) (F1)
- Third Harmonic Suppression: 25dBc (min.) (F3)
- Fourth Harmonic Suppression: 10dBc (min.) (F4)
- VSWR (Input): 1.6:1 (max.)
- Impedance: 50Ω
- Maximum RF Input Power: +20dBm
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +100°C
- Connectors (Standard): SMA- FEMALE
- Connectors (Option): BNC- FEMALE
- Weight (SMA Connector): 30g (typ.)

HOW TO ORDER
- Model Name: R&K-DB010-0S
- S = SMA - FEMALE
- B = BNC - FEMALE
- N = N - FEMALE

TYPICAL PERFORMANCE (Temp @+25°C)

Conversion Loss

Input VSWR

Spurious

SCHEMATIC

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