GaAs DIGITAL ATTENUATOR

R&K-DT020-0S

- Broadband Frequency: 0.01 ~ 4000MHz
- Attenuation: 1dB Step/6Bit/45dB
- Internal C-MOS Driver
- Low Cost
- RoHS Compliance

SPECIFICATIONS

- Frequency Range: 0.01 - 4000MHz
- Insertion Loss: 0dB (max.)
- Attenuation Range / Steps: 45dB / 1, 2, 4, 8, 10, 20dB
- Attenuation Accuracy: ±1.0dB (max.)
- Impedance: 50Ω
- Input / Output VSWR: 1.5 - 1 (typ.)
- Input Power @1dB Comp.: +21dBm
- Input I.C.P.: +41dBm
- Logic Input (+5V C-MOS): High = Zero Setting
- Switching Speed: 100ns (max.) (Rise / Fall)
- DC Supply Input: +5V ± 0.2V
- Maximum RF Input Power: +23dBm
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -20°C to +80°C
- Connectors (Standard): SMA-MALE
- Connectors (Option): N-MALE
- Weight (SMC Connector): 125g (typ.)

PORT 1 & 2 are internally DC blocked

HOW TO ORDER

Model Name
R&K-DT020-0S
S = SMA - MALE
N = N - MALE

TYPICAL PERFORMANCE (Temp @ +25°C)

- Insertion Loss
- Attenuation Accuracy
- VSWR Port 1 and Port 2
- Normalized Attenuation
- Phase vs Attenuation State
- Switching Speed

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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