**R&K-DT030-0S**

**SPECIFICATIONS**

- **Broadband Frequency**: 10～3000MHz
- **Attenuation**: 1dB Step/7Bit/85dB
- **TTL/CMOS Compatible Control**
- **Low Cost**
- **RoHS Compliance**

**Frequency Range**: 10 - 3000MHz

**Insertion Loss**
- 5dB (max.) at 10MHz-2GHz
- 8dB (max.) at 2GHz-3GHz

**Attenuation Range / Steps**
- 85dB (1, 2, 4, 8, 10, 20, 40dB)

**Attenuation Accuracy**
- (REF to 39dB)
  - ±2dB (max.)
- (40dB to 85dB)
  - ±5dB (max.)

**Impedance**: 50Ω

**Input/Output VSWR**: 1.4:1 (typ.)

**Input Power@1dB Comp.**
- Input I.C.P.: +17dBm
- Logic Input (+5V C-MOS): High = Zero Setting, Low = Att Setting

**Switching Speed**
- 300ns (max.) rise, 500ns (max.) fall
- Maximum RF Input Power: +24dBm
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -20°C to +80°C
- Connectors (Standard): SMA-Female
- Connectors (Option): N-Female, BNC-Female

**Weight (Standard)**: 120g (typ.)

**HOW TO ORDER**

- **Model Name**: R&K-DT030-0S
- **Order Code**: S = SMA - FEMALE, B = BNC - FEMALE, N = N - FEMALE, ※ BNC - Operational to 1GHz

**TYPICAL PERFORMANCE (Temp @ +25°C)**

- **Insertion Loss**
  - Frequency (GHz): 0.5 to 3.5

- **Attenuation Accuracy**
  - Frequency (GHz): 0.5 to 3.5

- **VSWR Port 1 and Port 2**
  - Frequency (MHz): 1 to 4

- **Phase vs Attenuation State**
  - Frequency (GHz): 0.5 to 3.5

- **Switching Speed**
  - Rise Time (10MHz, 20dBm): 100ns (max.)
  - Fall Time (100MHz, 20dBm): 100ns (max.)

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.