**R&K-PT040-0S**

**OUTLINE DRAWING**

- **Frequency Range**: DC - 4000MHz
- **Insertion Loss**: 3.0dB (max.) (DC-2GHz), 4.5dB (max.) (2GHz-4GHz)
- **Attenuation Range / Steps**: 85dB / 1, 2, 4, 8, 10, 20, 20, 20dB
- **Attenuation Accuracy**: ±0.5dB (max.) (DC-2GHz), ±1.0dB (max.) (2GHz-4GHz)
- **Impedance**: 50Ω
- **Input/Output VSWR**: 1.3 : 1 (typ.)
- **Logic Input**: ±5V = Att Setting / 0V = Zero Setting (TTL Drive/Option-1), High = Att Setting / Low = Zero Setting (TTL Drive/Option-2)
- **Switching Speed**: 5ms (max.) Rise / Fall
- **DC Supply Input**: +5V ± 0.2V, 60mA (max.) / Each Step (Option -1X or -2X), 80mA (max.) / Each Step
- **Maximum RF Input Power**: +24dBm
- **Operating Temperature**: -20℃ to +60℃
- **Storage Temperature**: -20℃ to +80℃
- **Connectors (Standard)**: SMA-FEMALE
- **Connectors (Option)**: N-FEMALE
- **Weight (PT040-0S)**: 280g (typ.)

**SPECIFICATIONS**

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Insertion Loss**
  - Frequency (GHz)
  - Insertion Loss (dB)
- **Attenuation Accuracy**
  - Frequency (GHz)
  - B/A Error (dB)
- **VSWR Port 1 and Port 2**
  - Frequency (GHz)
  - VSWR
- **Normalized Attenuation**
  - Frequency (GHz)
  - Attenuation (dB)
- **Phase vs Attenuation State**
  - Frequency (GHz)
  - Phase (deg.)
- **Switching Speed**
  - RF CONT 100MHz/10dBm 10Watt/Duty 20\% 10Watt/Duty 20\%

**HOW TO ORDER (Connector Option)**

- **Model Name**: PT040-0S
- **S = SMA - FEMALE**
- **N = N - FEMALE**
- **0 = DC Drive**
- **1 = TTL Drive(Normal)**
- **2 = TTL Drive(Invert)**

**R&K Company Limited**

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel: +81-545-31-2600 Email: info@rko.co.jp
Fax: +81-545-31-1600 URL: http://r-k-microwave.com

*CHANGE Δ1 7/Jul./2016  Rev. 1.2 : 24/June./2020*

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 accept responsibility to any country for use in military or defense applications.