MECHANICAL STEP ATTENUATOR

R&K-PT110(1/31)-0S/3.3V
R&K-PT110(1/31)-0S/5.0V

SPECIFICATIONS

- Broadband Frequency: DC ~ 2500MHz
- Attenuation: 1dB Step/5Bit/31dB
- Input Intercept Point: +75.0dBm (min.)
- RoHS Compliance

**Frequency Range**: DC ~ 2500MHz
**Insertion Loss (DC-1.5GHz)**: 2.0dB (max.)
**Attenuation Range / Steps**: 31dB / 1, 2, 4, 8, 16dB
**Attenuation Accuracy**: ±0.5dB (max.)
**Impedance**: 50Ω
**Input/Output VSWR**: 1.5:1 (typ.)
**Logic Input (DC Drive/Standard)**: +3.3V = Att Setting / 0V = Zero Setting
**Switching Speed**: 5ms (max.) tRise / tFall
**DC Supply Input (Standard)**: +3.3V ±0.5V 120mA (max.) / Step
**Maximum RF Input Power**: +75.0dBm (min.)
**Operating Temperature**: -20℃ to +80℃
**Connectors (Standard)**: SMA-FEMALE
**Weight (Standard)**: 250g (typ.)

**Frequency Range**
- Insertion Loss (DC-1.5GHz)
- (1.5GHz-2.5GHz)
- Attenuation Range / Steps
- Attenuation Accuracy
- Impedance
- Input/Output VSWR
- Logic Input (DC Drive/Standard)
- Switching Speed
- DC Supply Input (Standard)
- Maximum RF Input Power
- Operating Temperature
- Connectors (Standard)
- Weight (Standard)

**How to Order**

Model Name
PT110(1/31)-0S/3.3V

- 0 = DC Drive
- 1 = TTL Drive (Normal)
- 2 = TTL Drive (Invert)
- S = SMA - FEMALE
- B = BNC - FEMALE
- N = N - FEMALE
- 3.3V
- 5.0V

**TYPICAL PERFORMANCE**

- **Insertion Loss**
- **Attenuation Accuracy**
- **Normalized Attenuation**
- **Phase vs Attenuation State**

**Input Intercept Point**

- **VSWR Port 1 and Port 2**
- **Switching Speed**

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