

MECHANICAL STEP ATTENUATOR

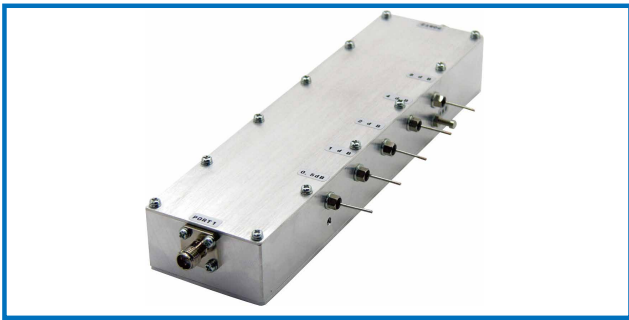


R&K-PT110(0.5/15.5)-0S/3.3V R&K-PT110(0.5/15.5)-0S/5.0V

- Broadband Frequency : DC ~ 2500MHz
- Attenuation : 0.5dB Step/5Bit/15.5dB
- Input Intercept Point : +75.0dBm (min.)
- RoHS Compliance

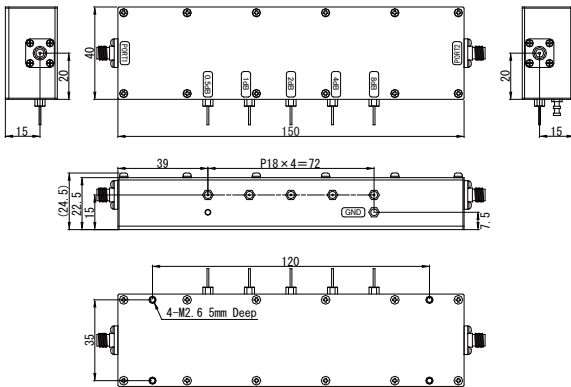
SPECIFICATIONS

Frequency Range	: DC ~ 2500MHz
Insertion Loss (DC-1.5GHz)	: 2.0dB (max.)
(1.5GHz-2.5GHz)	: 3.5dB (max.)
Attenuation Range / Steps	: 15.5dB / 0.5, 1, 2, 4, 8dB
Attenuation Accuracy	
(DC-1.5GHz)	: ±0.5dB (max.)
(1.5GHz-2.5GHz)	: ±1.0dB (max.)
Impedance	: 50Ω
Input /Output VSWR	: 1.5 : 1 (typ.)
Logic Input (DC Drive/Standard)	: +3.3V = Att Setting / 0V = Zero Setting
(DC Drive/Option)	: +5.0V = Att Setting / 0V = Zero Setting
(TTL Drive/Option-1)	: High = Att Setting / Low = Zero Setting
(TTL Drive/Option-2)	: High = Zero Setting / Low = Att Setting
Switching Speed	: 5ms (max.) tRise / tFall
DC Supply Input (Standard)	: +3.3V±0.5V 120mA (max.) / Step
DC Supply Input (Option)	: +5.0V±0.5V 100mA (max.) / Step
Input Intercept Point	: +75.0dBm (min.)
Maximum RF Input Power	: +24.0dBm (avg.)
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -20°C to +80°C
Connectors (Standard)	: SMA-FEMALE
Connectors (Option)	: BNC-FEMALE : N-FEMALE
Weight (Standard)	: 250g (typ.)



OUTLINE DRAWING

※IN MILLIMETERS



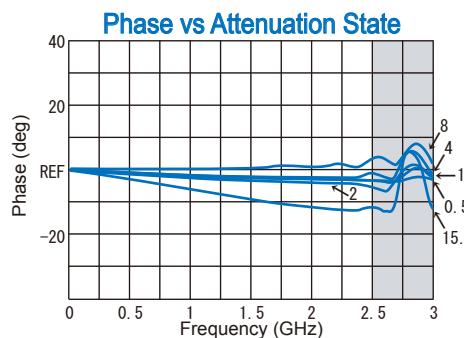
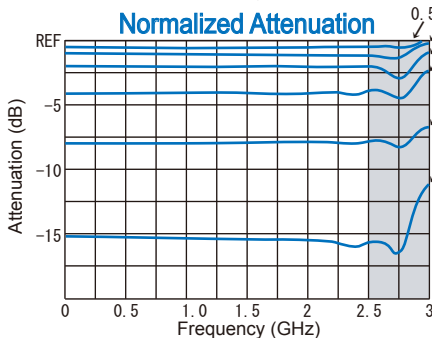
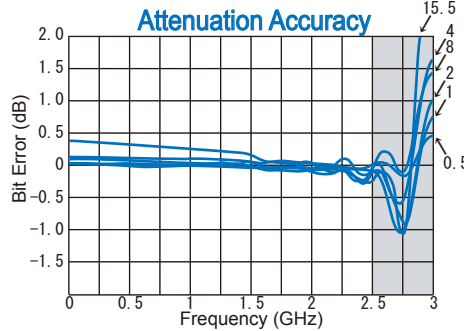
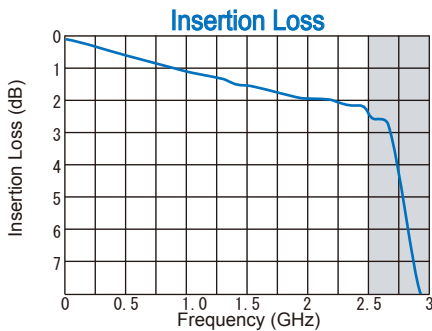
HOW TO ORDER

Model Name

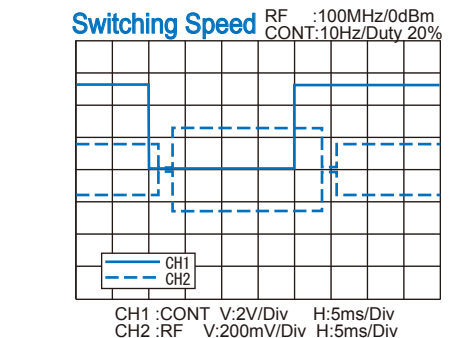
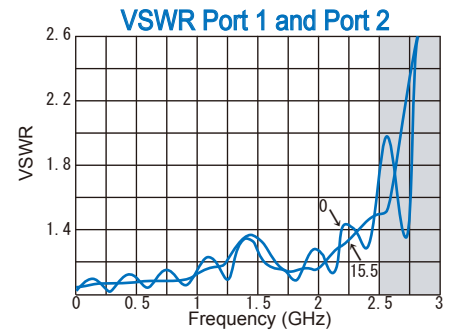
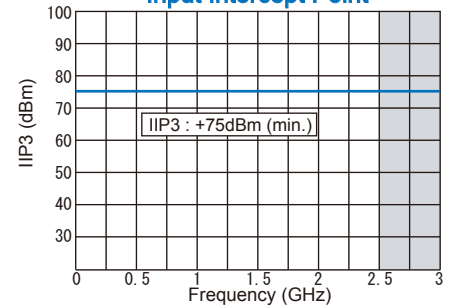
PT110(0.5/15.5)-0S/3.3V

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

TYPICAL PERFORMANCE



Input Intercept Point



* Rev. 1.1 : Feb./12/2015

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, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com