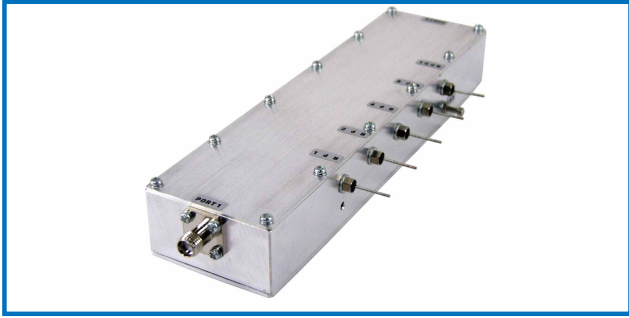


MECHANICAL STEP ATTENUATOR

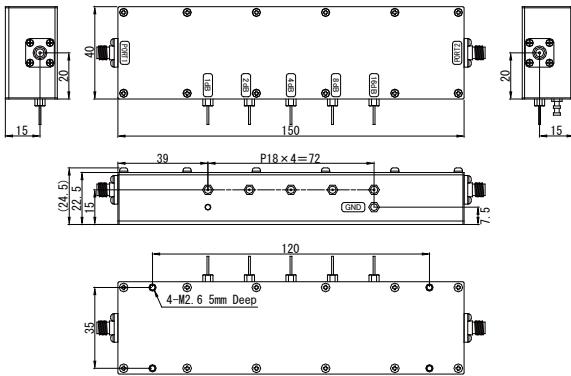


R&K-PT110(1/31)-0S/3.3V R&K-PT110(1/31)-0S/5.0V



OUTLINE DRAWING

※IN MILLIMETERS



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

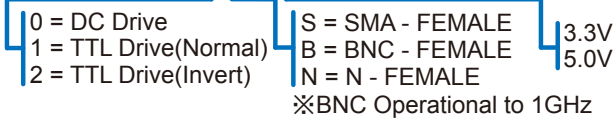
SPECIFICATIONS

Frequency Range	: DC ~ 2500MHz
Insertion Loss (DC-1.5GHz)	: 2.0dB (max.)
(1.5GHz-2.5GHz)	: 3.5dB (max.)
Attenuation Range / Steps	: 31dB / 1, 2, 4, 8, 16dB
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.)

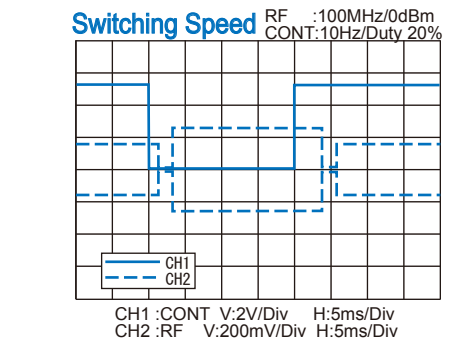
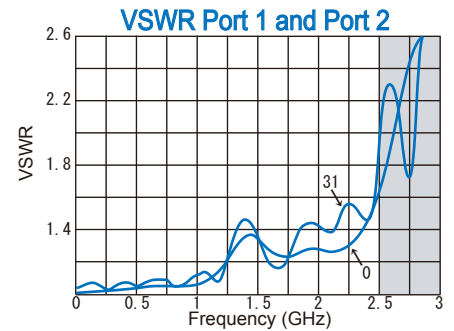
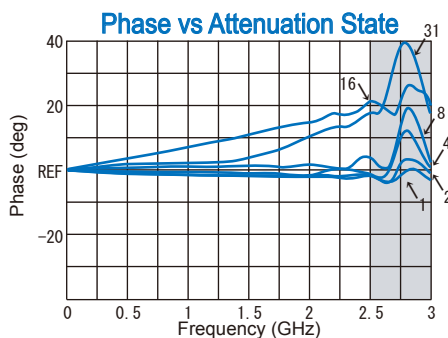
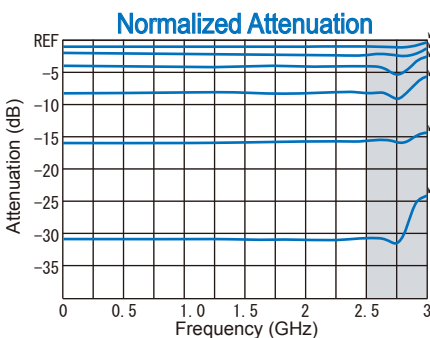
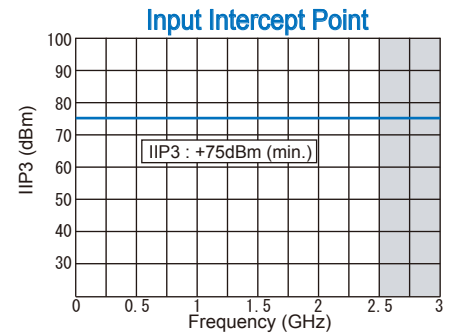
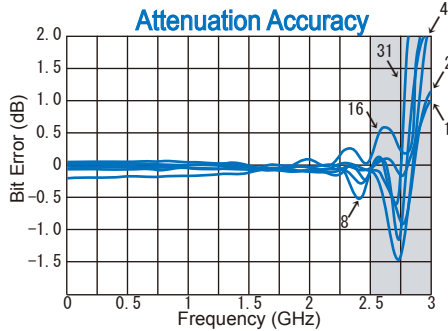
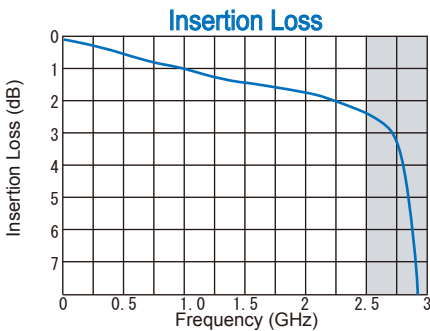
HOW TO ORDER

Model Name

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



TYPICAL PERFORMANCE



* 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".

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