

MECHANICAL STEP ATTENUATOR



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

- Broadband Frequency : DC ~ 2500MHz
- Attenuation : 0.5dB Step/5Bit/15.5dB
- Input Intercept Point : +75.0dBm(min.)
- +3.3V (LVTTTL) / +5.0V (TTL) Operation
- RoHS Compliance

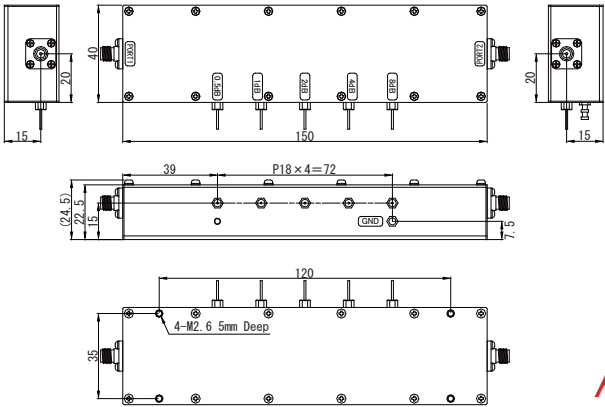
SPECIFICATIONS

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)	: High = Att Setting / Low = Zero 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

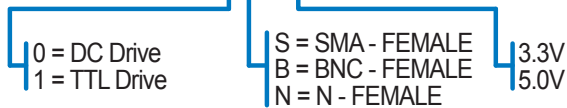
※IN MILLIMETERS



HOW TO ORDER

Model Name

PT110(0.5/15.5)-OS/3.3V

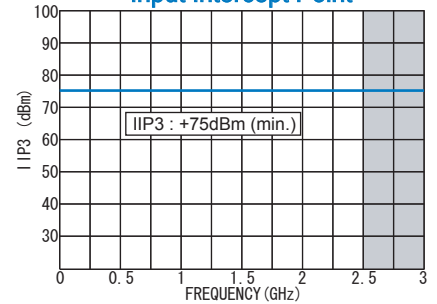


Affordable Price!!

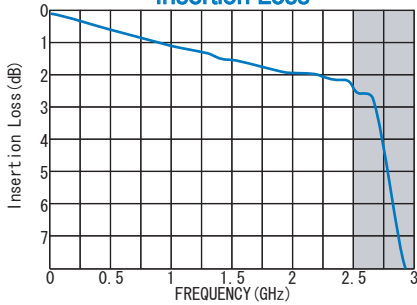
Quantity	Price
1 - 4	@JP¥24,500.-
5 - 9	@JP¥22,500.-
10 - 19	@JP¥19,750.-
20 - 49	@JP¥18,500.-
50 - 100	@JP¥16,750.-

TYPICAL PERFORMANCE (Temp @+25°C)

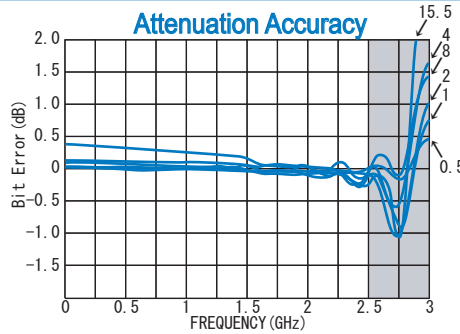
Input Intercept Point



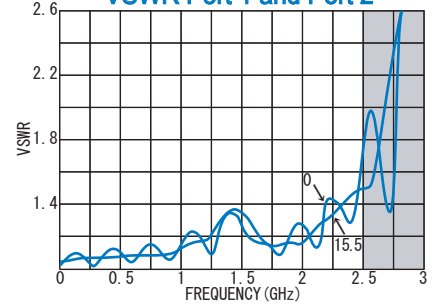
Insertion Loss



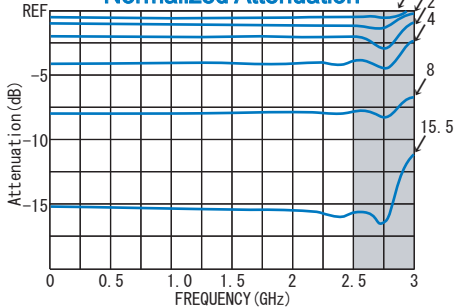
Attenuation Accuracy



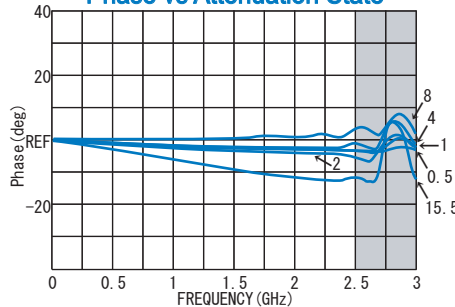
VSWR Port 1 and Port 2



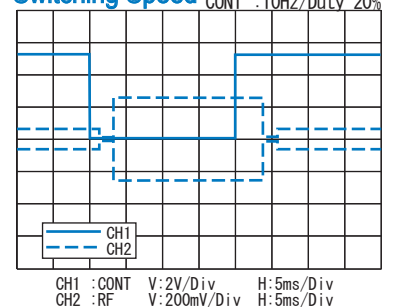
Normalized Attenuation



Phase vs Attenuation State



Switching Speed



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.

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