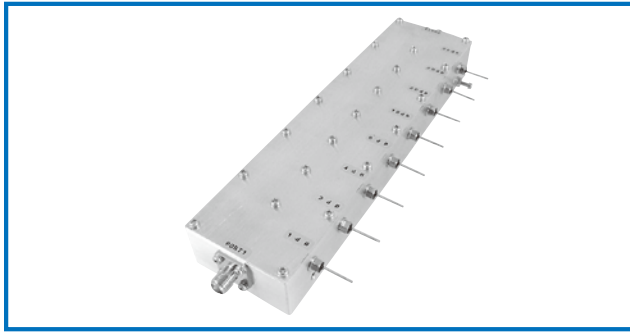


# MECHANICAL STEP ATTENUATOR

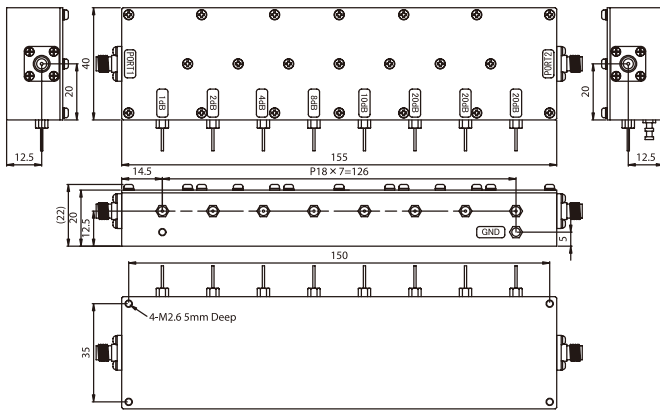


## R&K-PT040-0S



### OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : DC-4000MHz
- Attenuation : 1dB Step/8Bit/85dB
- Low Cost
- RoHS Compliance

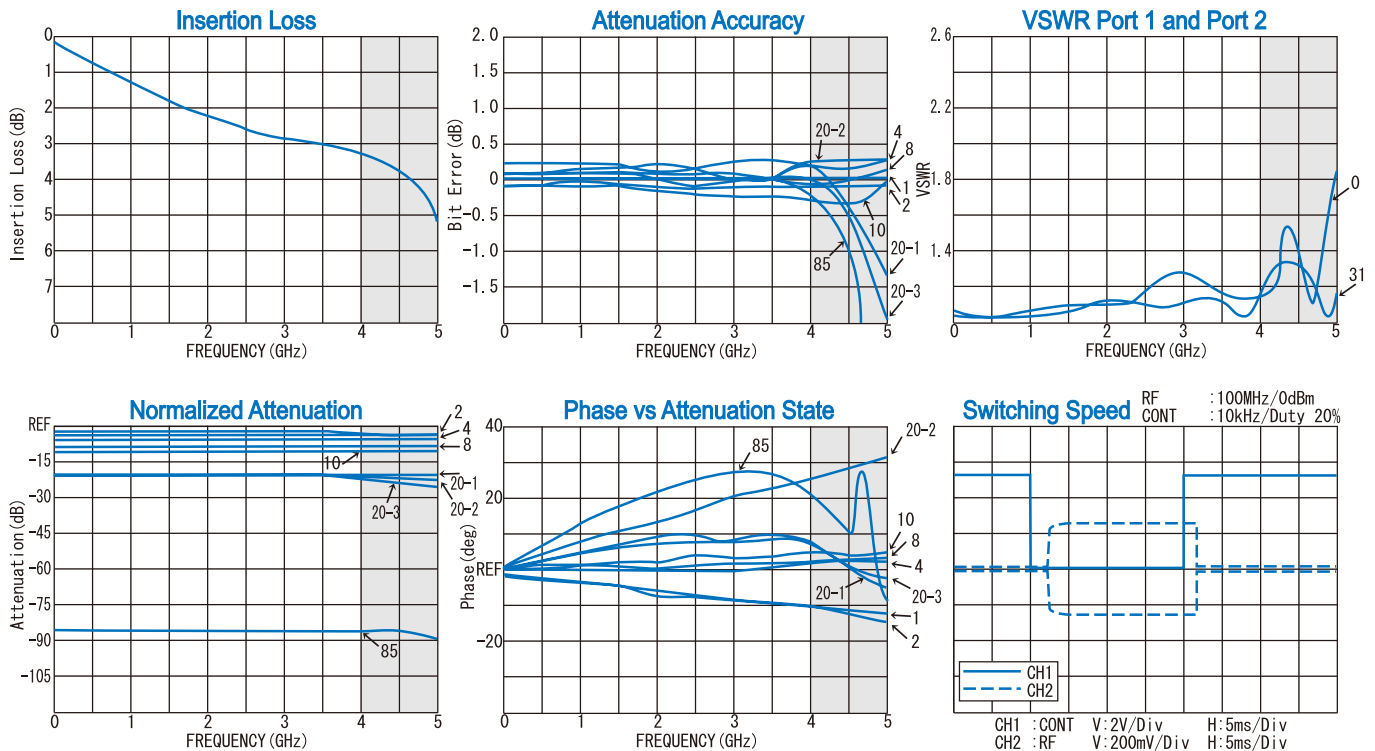
### SPECIFICATIONS

Frequency Range	: DC - 4000MHz
Insertion Loss (DC-2GHz)	: 3.0dB (max.)
(2GHz- 4GHz)	: 4.5dB (max.) $\Delta$ 1
Attenuation Range / Steps	: 85dB / 1,2,4,8,10,20,20,20dB
Attenuation Accuracy (DC-2GHz)	: $\pm$ 0.5dB (max.)
(2GHz-4GHz)	: $\pm$ 1.0dB (max.)
Impedance	: 50 $\Omega$
Input /Output VSWR	: 1.3 : 1 (typ.)
Logic Input (DC Drive)	: +5V = 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	: +5V $\pm$ 0.2V
(Option -1X or -2X)	: 80mA (max.) / Each Step
Maximum RF Input Power	: +24dBm
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -20°C to +80°C
Connectors (Standard)	: SMA-FEMALE
Connectors (Option)	: N-FEMALE
Weight (PT040-0S)	: 280g (typ.)

### HOW TO ORDER (Connector Option)

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

### TYPICAL PERFORMANCE (Temp @ +25°C)



\* CHANGE  $\Delta$ 1 7/Jul./2016 \* Rev. 1.2 : 24/Jun./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 export products to any country for use in military or defense applications.

## 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