

# ANALOG PHASE SHIFTER

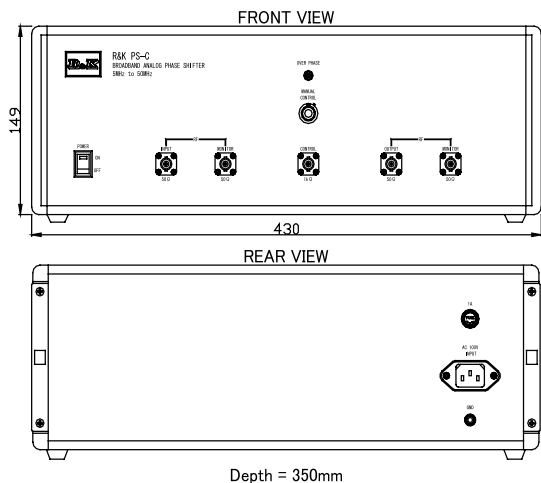


## R&K-PS-C-0B



### OUTLINE DRAWING

※IN MILLIMETERS



- Frequency Range : 5MHz ~ 50MHz
- Insertion Loss : 0dB (typ.)
- Phase Shift Range : 0 ~ 360°
- 19inch Rack Size Mounting
- RoHS Compliance

### SPECIFICATIONS

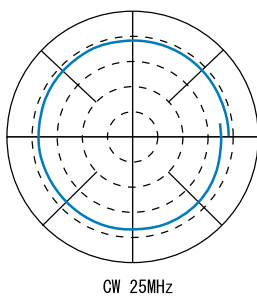
Frequency Range	: 5MHz - 50MHz
Frequency Flatness	: ±1.5dB (max.)
Phase Shift Range	: 0 ~ 360° (min.)
Phase Stability	: 3° (Peak max)Fix Temp.
Phase Control Voltage ;Internal	: Front Panel Volume
;External	: 0 ~ +12V / 1kΩ
	: DC - 100kHz (min.)
Phase Control Linearity	: 15% (typ.)
Insertion Loss	: 0dB (typ.)
Maximum RF Input Power	: +10dBm (max.)
Impedance	: 50Ω
In / Out VSWR	: 2.0:1 (typ.)
Input I.C.P.	: +17dBm (typ.)
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -20°C to +80°C
Connectors (Standard)	: BNC-FEMALE
Connectors (Option)	: SMA-FEMALE
	: N-FEMALE
Other Function	: In/Out Monitor -20dB
	: Over Phase LED
AC Supply Input	: AC100V 50/60Hz
	: 2A (max.)
Weight (SMA Connector)	: 12kg (typ.)

### HOW TO ORDER

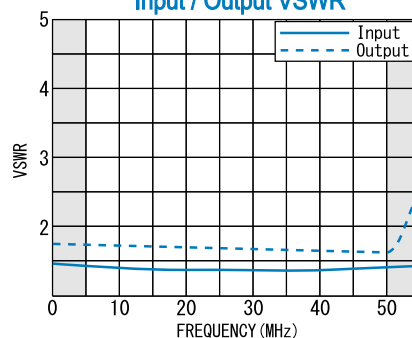
Model Name	B = BNC - FEMALE
R&K-PS-C-0B	S = SMA - FEMALE
	N = N - FEMALE
	0 = Standard
	1 = Rack Mount Bracket

### TYPICAL PERFORMANCE (Temp @+25°C)

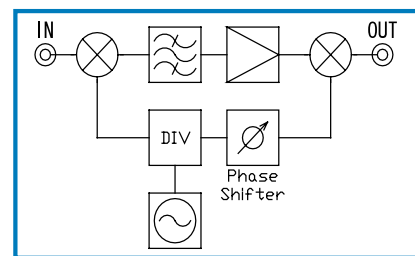
#### Phase Characteristic



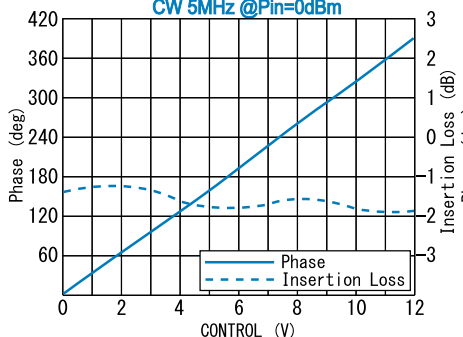
#### Input / Output VSWR



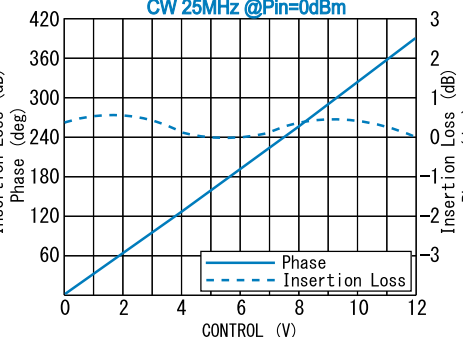
#### SCHEMATIC



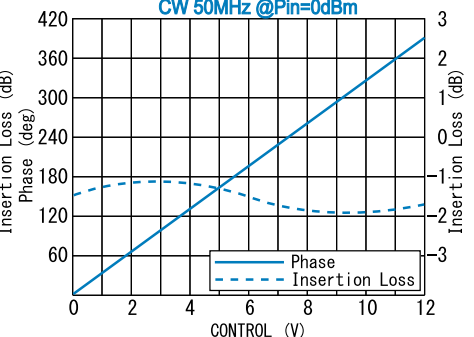
#### Control vs Loss & Phase CW 5MHz @Pin=0dBm



#### Control vs Loss & Phase CW 25MHz @Pin=0dBm



#### Control vs Loss & Phase CW 50MHz @Pin=0dBm



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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