

ANALOG PHASE SHIFTER

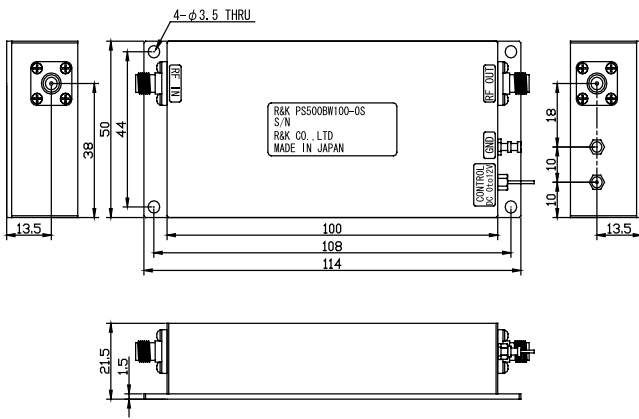


R&K-PS500BW100-0S



OUTLINE DRAWING

※ IN MILLIMETERS



- Frequency Range : 450MHz ~ 550MHz
- Insertion Loss : 6dB (max.)
- Phase Control Voltage : 0 ~ +12V
- Phase Shift Range : 0 ~ 360°
- RoHS Compliance

SPECIFICATIONS

Frequency Range	: 450 - 550MHz
Phase Shift Range	: 0 ~ 360° (min.)
Phase Stability	: 2° (Peak max)Fix Temp.
Phase Control Voltage	: 0 ~ +12V / 1kΩ
	: DC - 100kHz (min.)
Phase Control Linearity	: 15% (typ.)
Insertion Loss	: 6dB (max.)
Maximum RF Input Power	: +15dBm (max.)
Impedance	: 50Ω
In / Out VSWR	: 2.0:1 (typ.)
Input I.C.P.	: +17dBm (typ.)
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 (SMA Connector)	: 190g (typ.)

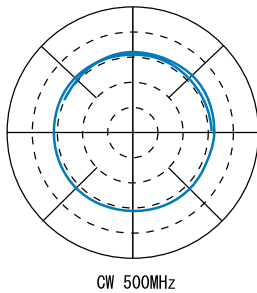
HOW TO ORDER

Model Name
R&K-PS500BW100-0S

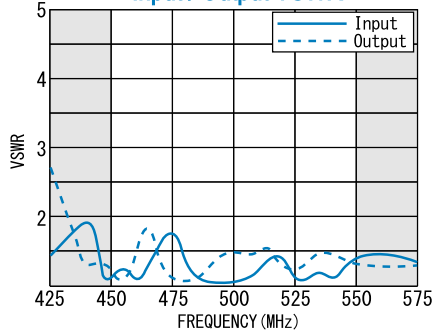
S = SMA - FEMALE
B = BNC - FEMALE
N = N - FEMALE

TYPICAL PERFORMANCE (Temp @+25°C)

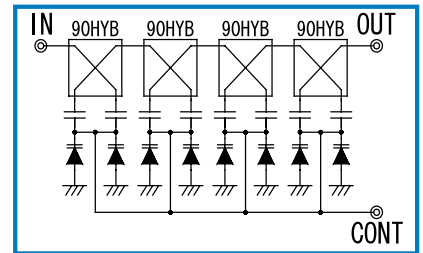
Phase Characteristic



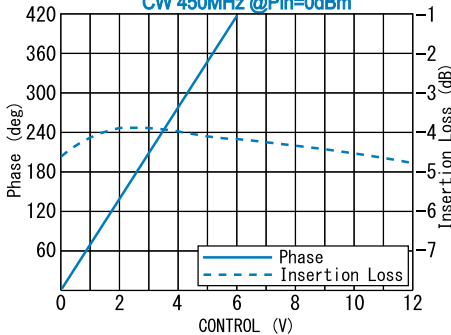
Input / Output VSWR



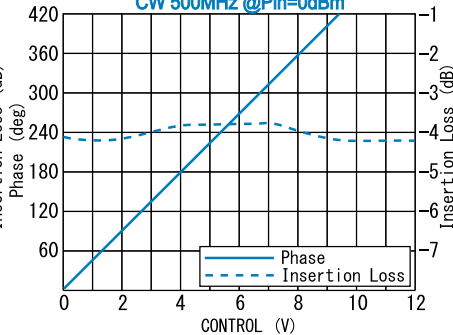
SCHEMATIC



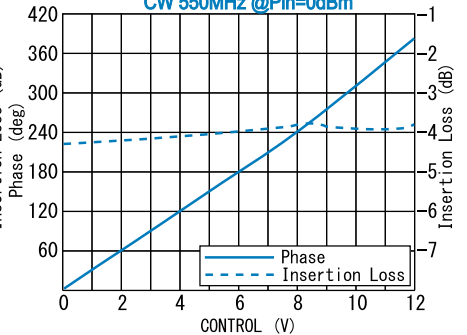
Control vs Loss & Phase CW 450MHz @Pin=0dBm



Control vs Loss & Phase CW 500MHz @Pin=0dBm



Control vs Loss & Phase CW 550MHz @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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