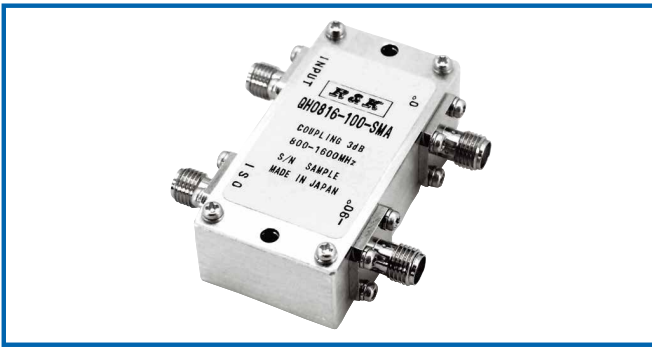


# QUADRATURE HYBRID

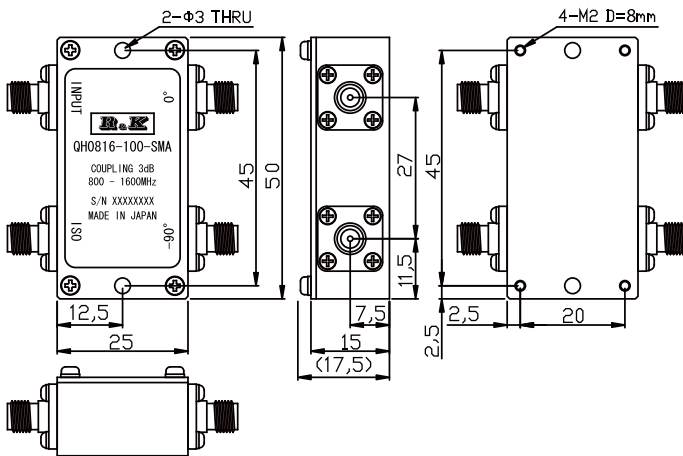


## R&K-QH0816-100-SMA



### OUTLINE DRAWING

※ IN MILLIMETERS




### TYPICAL PERFORMANCE (Temp @+25°C)

- 2Way-90°
- Frequency Range : 800 ~ 1600MHz
- High Power 100W
- Low Insertion Loss

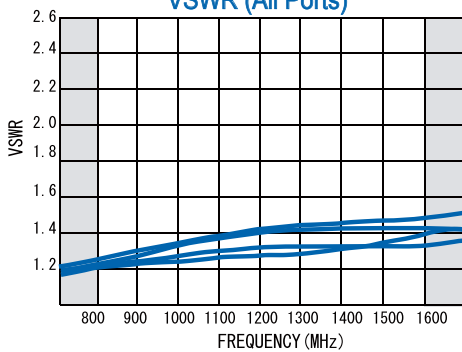
### SPECIFICATIONS

Frequency Range	: 800-1600MHz
Insertion Loss	: 1.0dB (max.)
(Except Coupling Loss 3.0dB)	
Amplitude Balance	: 2dB (max.)
Isolation	: 13dB (min.)
Phase Balance	: 10° (max.)
Phase Difference	: 90°
Between Output Ports	
VSWR (All Ports)	: 1.6:1 (max.)
Impedance	: 50Ω
Maximum RF Input Power	: 100W(@+25°C)
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +100°C
Connectors (Standard)	: SMA-FEMALE
Weight (SMA Connector)	: 55g (typ.)

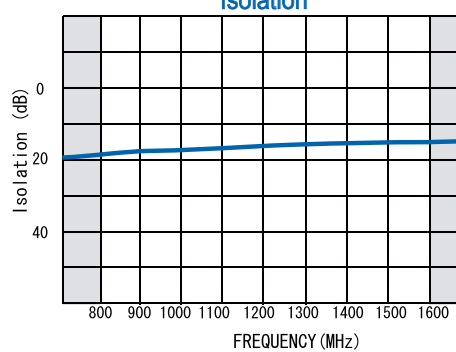
### HOW TO ORDER

Model Name  
**R&K-QH0816-100-SMA**  No Option

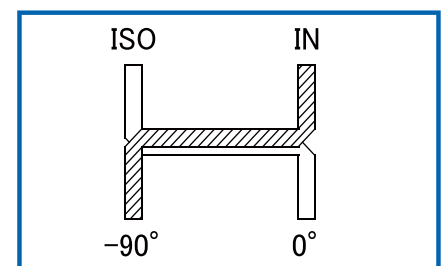
VSWR (All Ports)



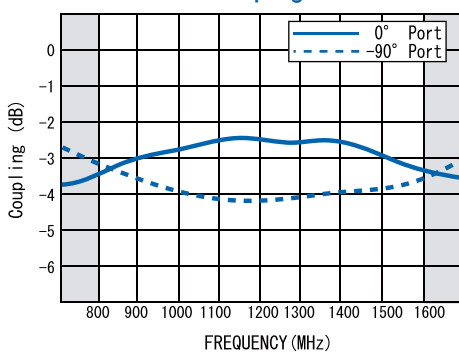
Isolation



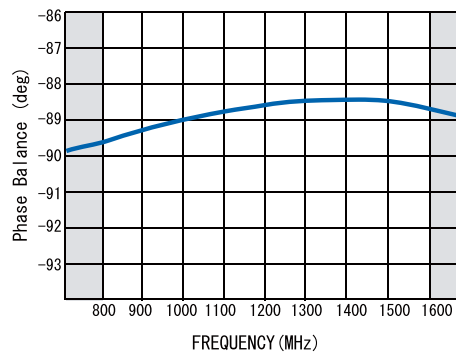
SCHEMATIC



Coupling



Phase Balance



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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