QUADRATURE HYBRID

R&K-QH100-0S

2Way—90°
Frequency Range : 140 ~ 280MHz
High Isolation
Low Loss
RoHS Compliance

OUTLINE DRAWING

*IN MILLIMETERS

TOP VIEW

BOTTOM VIEW

2-M3 Mounting Hole
2-M2 5mm Deep

SPECIFICATIONS

- Frequency Range: 140 - 280MHz
- Insertion Loss: 0.7dB (max.)
- Amplitude Balance: 1.5dB (max.)
- Isolation: 18dB (min.)
- Phase Balance: ±5° (max.)
- Phase Difference: 90°
- Between Output Ports
- VSWR (All Ports): 1.5:1 (max.)
- Impedance: 50Ω
- Maximum RF Input Power: 1W
- Operating Temperature: −40°C to + 85°C
- Storage Temperature: −40°C to +100°C
- Connectors (Standard): SMA-female
- Connectors (Option): BNC-female
- N-female
- Weight (SMA Connector): 30g (typ.)

HOW TO ORDER

Model Name
R&K-QH100-0S

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

TYPICAL PERFORMANCE (Temp @+25°C)

VSWR (All Ports)

Isolation

Coupling

Phase Balance

SCHEMATIC

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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