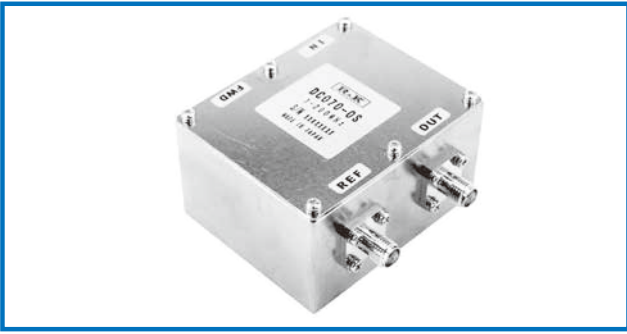


DIRECTIONAL COUPLER

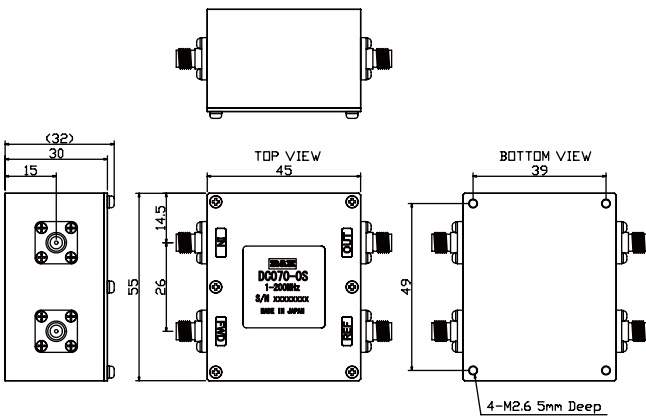


R&K-DC070-0S



OUTLINE DRAWING

※IN MILLIMETERS



- Broadband Frequency : 1MHz ~ 200MHz
- High Directivity
- Low Insertion Loss
- High Power
- RoHS Compliance

SPECIFICATIONS @ +25°C

Frequency Range	: 1MHz ~ 200MHz
Main Line Loss	: 1.0dB (max.)
Coupling	: 30dB ± 1.5dB
Coupling Flatness	: ± 1.0dB
Directivity	: 18dB (min.)
VSWR (All Ports)	: 1.3:1 (max.)
Impedance	: 50 Ω
Maximum RF Input Power	: 20W
Operating Temperature	: -25°C to +45°C
Storage Temperature	: -45°C to +75°C
Connectors (Standard)	: SMA-FEMALE
Connectors (Option)	: BNC-FEMALE N-FEMALE
Weight	: 150g (typ.)

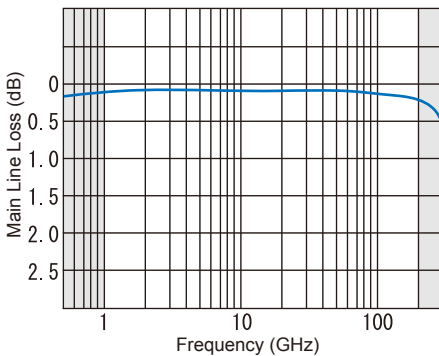
HOW TO ORDER

Model Name R&K-DC070-0S

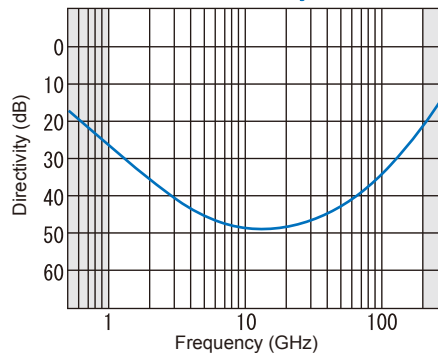
S = SMA - FEMALE
 B = BNC - FEMALE
 N = N - FEMALE

TYPICAL PERFORMANCE

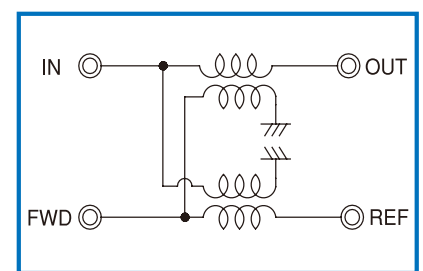
Main Line Loss



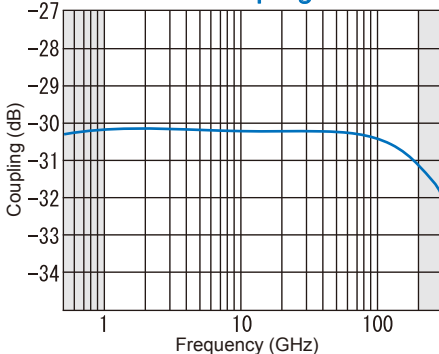
Directivity



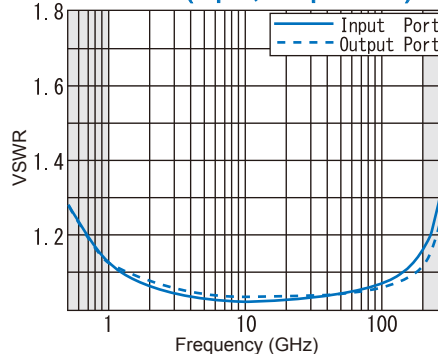
SCHEMATIC



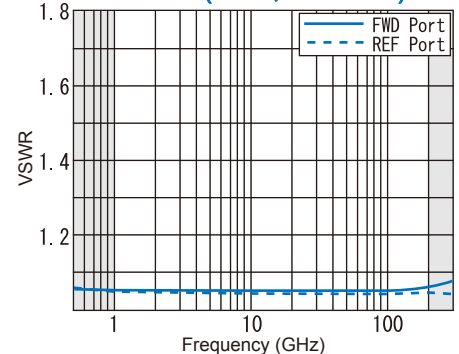
Coupling



VSWR(Input, Output Port)



VSWR(FWD, REF Port)



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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