## DIRECTIONAL COUPLER



#### **R&K-DC040-0S** High Directivity Low Cost m IN $R_*K$ C040-05 NG 20dB COUPLING S/N XXXXXXXX MADE IN JAPAN **OUTLINE DRAWING XIN MILLIMETERS** Æ $\langle \hat{\mathbf{x}} \rangle$

TOP VIEW 26 21 IN R&K FWD DC040-0S 2-500MHz COUPLING 20dB 있는 S/N xxxxxxx MADE IN JAPAN 3 2-ø3 Mounting Hole

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# BOTTOM VIEW សី 2-M2 5mm Deep

Frequency Range

#### :2 ~ 500MHz

- Low Insertion Loss
- RoHS Compliance

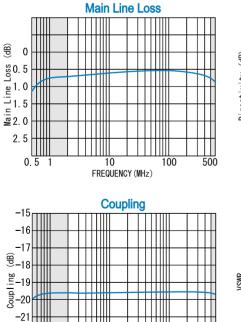
#### **SPECIFICATIONS**

Frequency Range	: 2 - 500MHz
Main Line Loss	: 1.3dB (max.)
Coupling	:20dB±1dB
Coupling Flatness	: ±0.5dB
Directivity	: 18dB (min.)
VSWR (All Ports)	: 1.5 : 1 (max.)
Impedance	: 50 Ω
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

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Model Name	3 - SIVIA - FEIVIALE
R&K-DC040-0S	S = SMA - FEMALE B = BNC - FEMALE N = N - FEMALE

#### TYPICAL PERFORMANCE (Temp @+25°C)



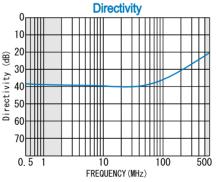
10

FREQUENCY (MHz)

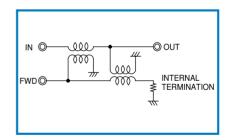
-27

0.5

1



#### **SCHEMATIC**



VSWR (All Ports) 1.8 Input Port Output Port FWD Port 1.7 1.6 1.5 ළි́1.4 1.3 1.2 Ţ 1.1 H 0.5 10 100 500



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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