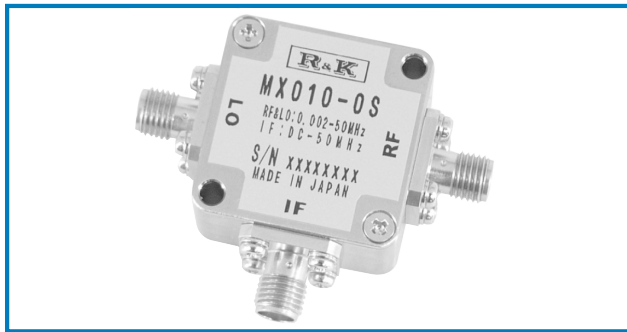


DOUBLE BALANCED MIXER

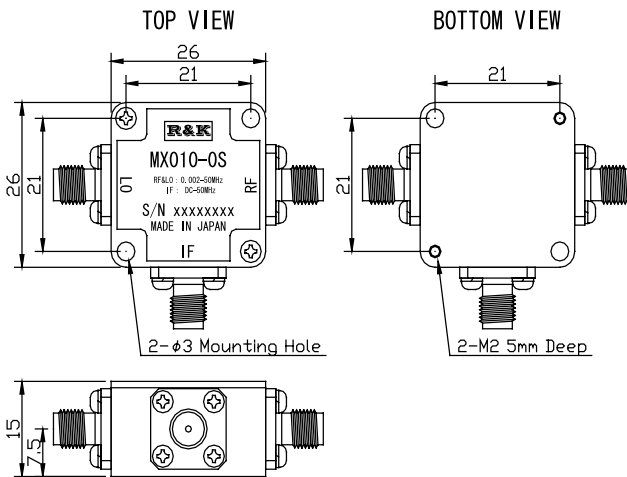


R&K-MX010-0S



OUTLINE DRAWING

※IN MILLIMETERS



- LO&RF Frequency : 0.002 ~ 50MHz
- IF Frequency : DC ~ 50MHz
- LO Drive Level : +7dBm
- Low Cost
- RoHS Compliance

SPECIFICATIONS

Frequency Range [LO&RF] : 0.002 - 50MHz
 [IF] : DC - 50MHz
 Conversion Loss (max.) (LO Drive Level +7dBm)

	0.002 - 0.02MHz	0.02 - 25MHz	25 - 50MHz
Typ.	6.5dB	4.5dB	5.5dB
Max.	12.0dB	6.0dB	8.0dB

Isolation (min.)

	0.002 - 0.02MHz	0.02 - 25MHz	25 - 50MHz
LO - RF	50dB	30dB	25dB
LO - IF	45dB	30dB	20dB
RF - IF	30dB	10dB	10dB

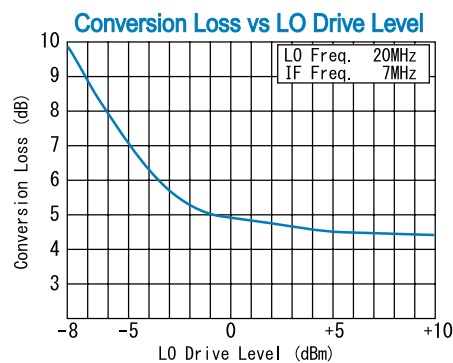
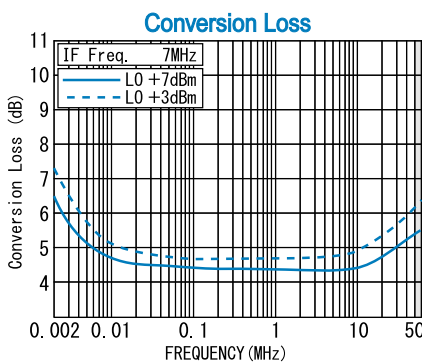
- Input IP3 @Center Band : +13dBm (typ.)
- Input 1dB Comp. Point : + 1dBm (typ.)
- Impedance (All Ports) : 50Ω
- Maximum RF Input Power : 50mW
- Maximum Peak IF Current : 50mA
- Operating Temperature : -40°C to + 85°C
- Storage Temperature : -40°C to +100°C
- Connectors (Standard) : SMA-Female
- Connectors (Option) : N-Female
: BNC-Female
- Weight (SMA Connector) : 30g (typ.)

HOW TO ORDER

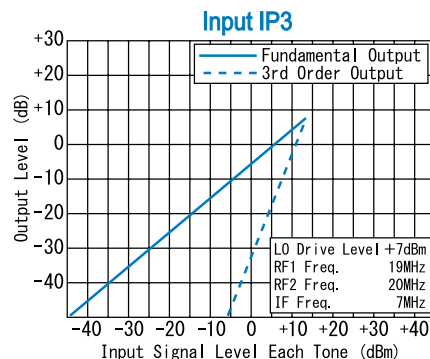
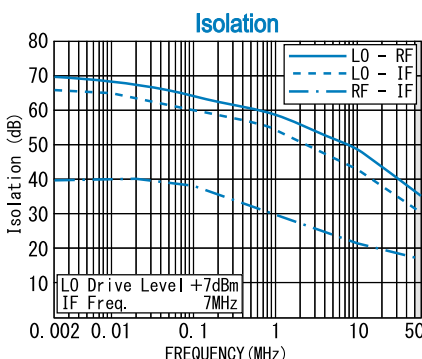
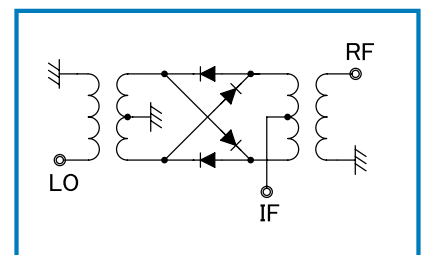
Model Name R&K-MX010-0S

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

TYPICAL PERFORMANCE (Temp @+25°C)



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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