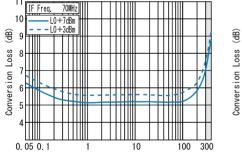
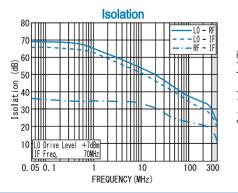
DOUBLE BALANCED MIXER



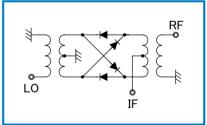
R&K-MX090-1S	■ L0&RF Frequency ■ IF Frequency ■ Lo Drive Level ■ Low Cost ■ RoHS Compliance SPECIFICATIONS Frequency Range [LO&RF] : 0.05 - 300MHz [IF] : DC - 300MHz Conversion Loss Max. (LO Drive Level +7dBm) $\boxed{\frac{0.05 \sim 300MHz}{150 - 300MHz}}$
	Max.11.0dB7.5dB9.5dBIsolation (min.) 1 0.05 - 0.5MHz0.5 - 150MHz150 - 300MHz 1 0.05 - 0.5MHz25dB20dB 1 0.0 IF40dB20dB10dB $RF - IF$ 25dB15dB10dBInput IP3 @Center Band: +13dBm (typ.)Input 1dB Comp. Point: + 1dBm (typ.)Impedance (All Ports): 50 Ω Maximum RF Input Power: 50mWMaximum Peak IF Current: 50mAOperating Temperature: -40°C to + 85°CStorage Temperature: -40°C to +100°CConnectors (Standard): SMA-FemaleConnectors (Option): BNC-FemaleWeight (SMA Connector): 65g (typ.)HOW TO ORDERModel NameS = SMA - FEMALER&K-MX090-1SS = SMA - FEMALE
TYPICAL PERFORMANCE (Temp @+25°C) Conversion Loss SCHEMATIC 10	

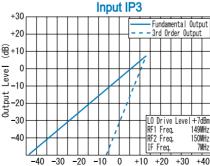


FREQUENCY (MHz)











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.

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan Tel:+81-545-31-2600 E-mail:info@rkco.jp Fax:+81-545-31-1600 URL: http://rk-microwave.com