# TRIPLE BALANCED MIXER



R&K-MX260-1S	<ul> <li>LO&amp;RF Frequency</li> <li>IF Frequency</li> <li>Lo Drive Level</li> <li>Low Cost</li> <li>RoHS Compliance</li> <li>SPECIFICATIONS</li> <li>:0.2 ~ 3000MHz</li> <li>:0.1 ~ 1000MHz</li> <li>:15dBm</li> </ul>
M X260 1 S RALA 0 2000 R S RALA 0 2000 R S S/N XXXXXXXX MADE IN ARXA	Frequency Range         [LO&RF]         : 0.2 - 3000MHz           [IF]         : 0.1 - 1000MHz           Conversion Loss Max. (LO Drive Level +15dBm)           0.2 - 2MHz         2 - 1500MHz           Typ.         6.5dB         7.0dB
OUTLINE DRAWING XIN MILLIMETERS	Max.         10.0dB         8.5dB         10.5dB           Isolation (min.)         0.2 - 2MHz         2 - 1500MHz         1500 - 3000MHz           LO - RF         15dB         20dB         22dB           LO - IF         20dB         20dB         20dB           RF - IF         20dB         20dB         20dB           Input IP3 @Center Band         : +19dBm (typ.)           Input 1dB Comp. Point         : + 9dBm (typ.)           Impedance (All Ports)         : 50 Ω           Maximum RF Input Power         : 200mW           Maximum Peak IF Current         : 50mA           Operating Temperature         : -40°C to + 85°C           Storage Temperature         : -40°C to +100°C           Connectors         : SMA-Female           Weight         : 65g (typ.)
	HOW TO ORDER Model Name R&K-MX260-1
TYPICAL PERFORMANCE (Temp @+25°C)	

#### **Conversion Loss Conversion Loss vs LO Drive Level** 12 LO Freq. 200MHz IF Freq. 70MHz 70MHz IF Fred Freq 11 +15dB L0+10dBm ଞ୍ଚି 10 3 Conversion Loss 9 8 LO 7 6 5

+5

+10

LO Drive Level (dBm)

0

1000 4000

### Isolation 80 10 LÕ 70 RF - II 60 ଞ୍ଚି <sub>50</sub>' ation 40 H g 30 20 10 LO Drive Level +15dB IF Freq 70MH 70MHz 0.1 10 100 1000 4000 FREQUENCY (MHz)

10

FREQUENCY (MHz)

100

12

1

ଞ୍ଚି 10

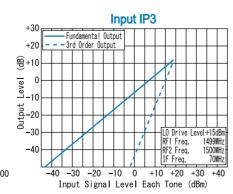
9

8

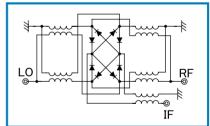
0.1

1

Conversion Loss



### **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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