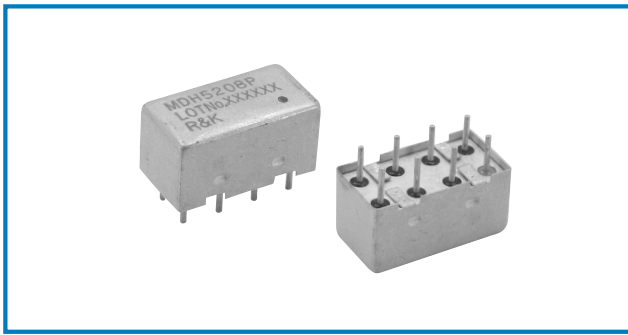


DOUBLE BALANCED MIXER



R&K-MDH520



- Frequency : DC-1000MHz
- High LO Drive Level : +17dBm
- Low Cost / 8PIN Package
- MON HERMETIC SHIELD
- RoHS Compliance

SPECIFICATIONS

Frequency Range [LO&RF] : 1-1000MHz
 [IF] : DC-1000MHz
 Conversion Loss (LO Drive Level +17dBm)

	1 - 50MHz	50 - 200MHz	200 - 1000MHz
Typ.	6.0dB	6.0dB	8.0dB
Max.	8.5dB	8.0dB	10.0dB

Isolation (min.)

	1 - 50MHz	50 - 200MHz	200 - 1000MHz
LO - RF	45dB	35dB	25dB
LO - IF	35dB	30dB	15dB
RF - IF	25dB	20dB	5dB

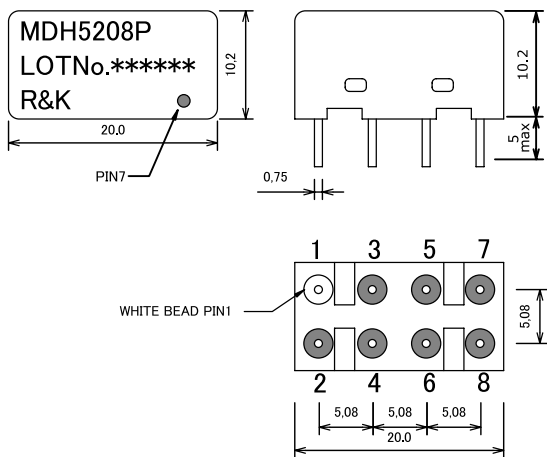
Input IP3 @Center Band : +18dBm (typ.)
 Input 1dB Comp. Point : + 8dBm (typ.)
 Impedance (All Ports) : 50Ω
 Maximum RF Input Power : 200mW
 Maximum Peak IF Current : 100mA
 Operating Temperature : -40°C to + 85°C
 Storage Temperature : -40°C to +100°C

HOW TO ORDER

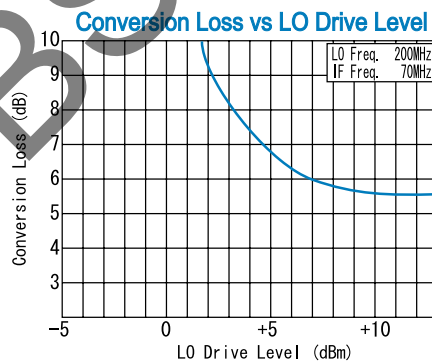
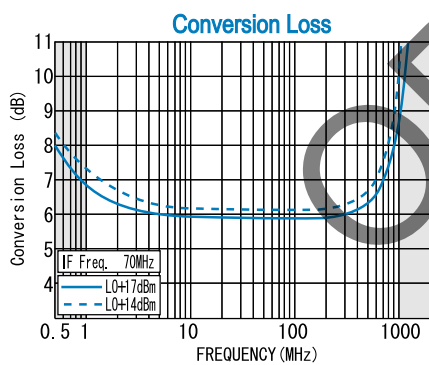
Model Name
R&K-MDH5208P 8P=8PIN Package

OUTLINE DRAWING

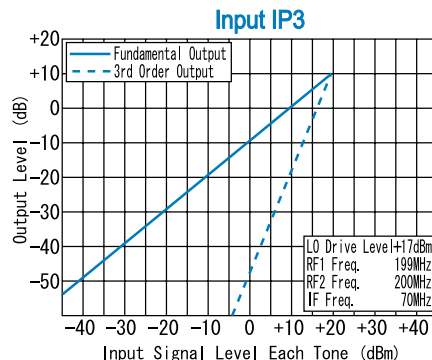
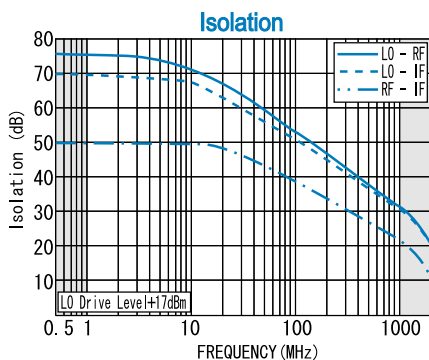
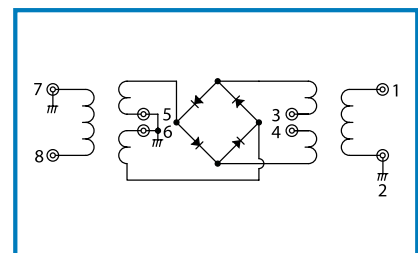
※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)



SCHEMATIC



Function	Pin No.
RF	1
IF	3, 4
LO	8
GND	2, 5, 6, 7

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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