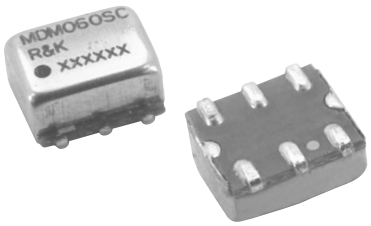
R&K-MDM060



- Frequency :DC-2200MHz
- Mid LO Drive Level :+10dBm
- Small & Low Cost / Surface Mount
- RoHS Compliance

SPECIFICATIONS

Frequency Range [LO&RF] : 800-2200MHz
[IF] : DC-800MHz

Conversion Loss (LO Drive Level +10dBm)

	800 - 1200MHz	1200 - 1800MHz	1800 - 2200MHz
Typ.	7.0dB	6.0dB	6.0dB
Max.	9.5dB	8.0dB	8.0dB

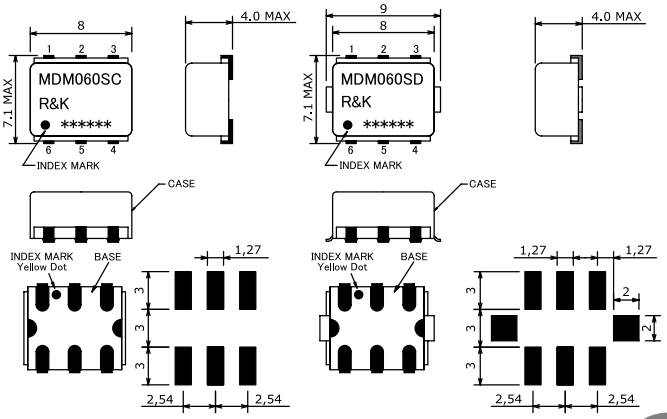
Isolation (min.)

	800 - 1200MHz	1200 - 1800MHz	1800 - 2200MHz
LO - RF	20dB	20dB	20dB
LO - IF	10dB	15dB	20dB
RF - IF	5dB	5dB	5dB

Input IP3 @Center Band	: +14dBm (typ.)
Input 1dB Comp. Point	: + 3dBm (typ.)
Impedance (All Ports)	: 50Ω
Maximum RF Input Power	: 50mW
Maximum Peak IF Current	: 50mA
Operating Temperature	: −40℃ to + 85℃
Storage Temperature	: −40℃ to +100℃
Max.Reflow Soldering Temp.	: 260℃,10sec.
Reflow Soldering Repeatability	: 3 times
Weight (Standard)	: 0.46g (typ.)

OUTLINE DRAWING

※IN MILLIMETERS



MDM060SC MDM060SD

HOW TO ORDER

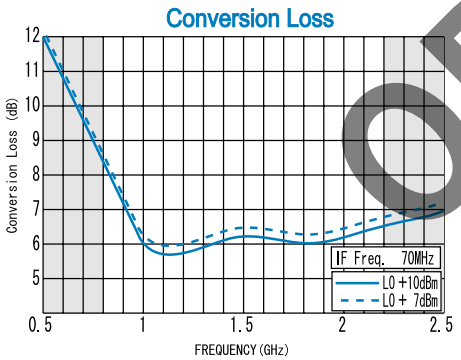
Model Name
R&K-MDM060SC-BLK

- BLK=Antistatic bag
- TR1=Tape & Reel Package
- SC=Case Type of SC
- SD=Case Type of SD

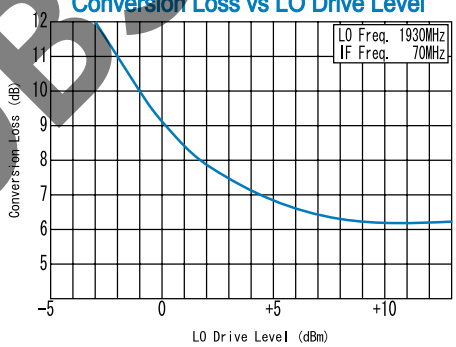
OBSOLETE

TYPICAL PERFORMANCE (Temp @+25℃)

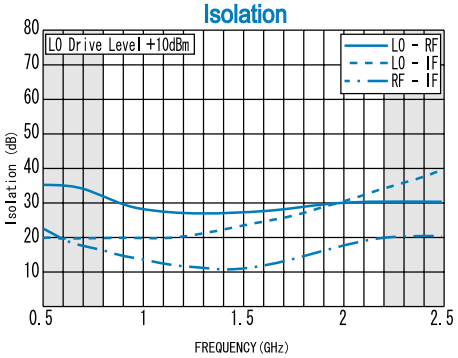
Conversion Loss



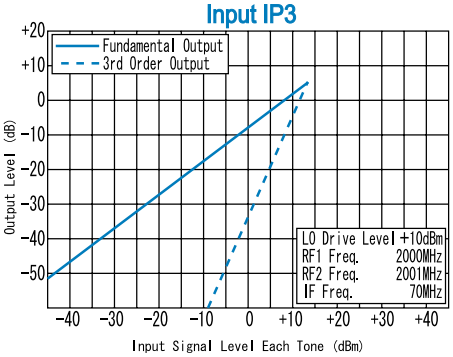
Conversion Loss vs LO Drive Level



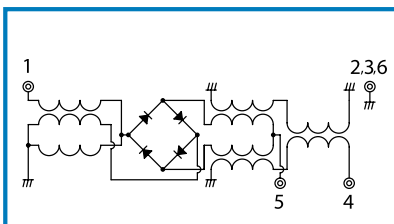
Isolation



Input IP3



SCHEMATIC



Function	Pin No.
LO	1
RF	4
I F	5
GND	2 , 3 , 6

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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