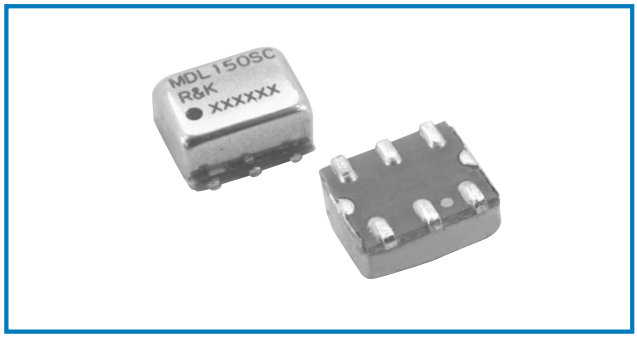
R&K-MDL150



- Frequency :DC-3600MHz
- Low LO Drive Level :+7dBm
- Small & Low Cost / Surface Mount
- RoHS Compliance

SPECIFICATIONS

Frequency Range [LO&RF] : 1300-3600MHz
[IF] : DC-1000MHz
Conversion Loss (LO Drive Level +7dBm)

	1300 - 2000MHz	2000 - 3000MHz	3000 - 3600MHz
Typ.	7.0dB	8.0dB	11.0dB
Max.	9.5dB	10.0dB	13.0dB

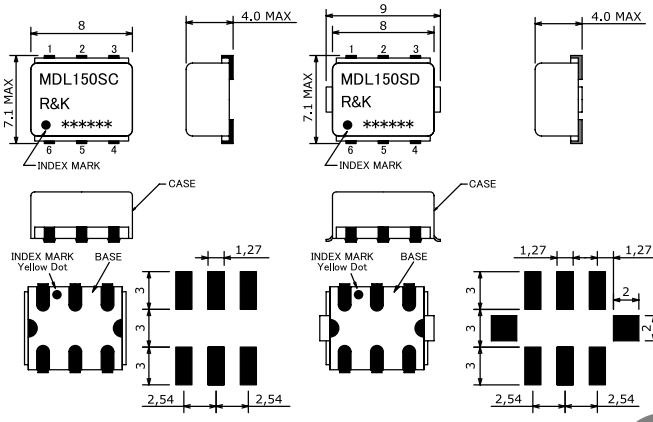
Isolation (min.)

	1300 - 2000MHz	2000 - 3000MHz	3000 - 3600MHz
LO - RF	20dB	20dB	25dB
LO - IF	20dB	20dB	20dB
RF - IF	5dB	5dB	5dB

Input IP3 @Center Band : +9dBm (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



MDL150SC MDL150SD

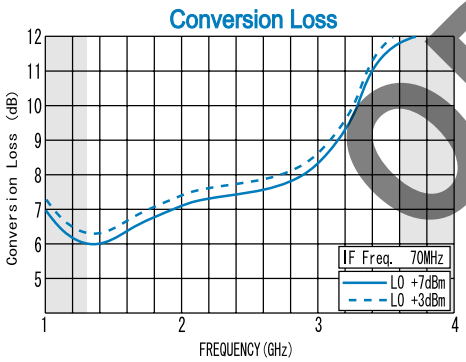
HOW TO ORDER

Model Name
R&K-MDL150SC-BLK
BLK=Antistatic bag
TR1=Tape & Reel Package
SC=Case Type of SC
SD=Case Type of SD

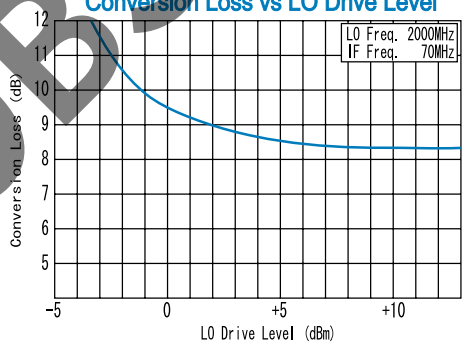
OBSOLETE

TYPICAL PERFORMANCE (Temp @+25℃)

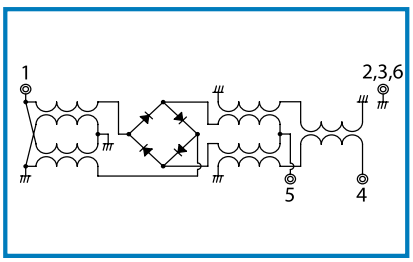
Conversion Loss



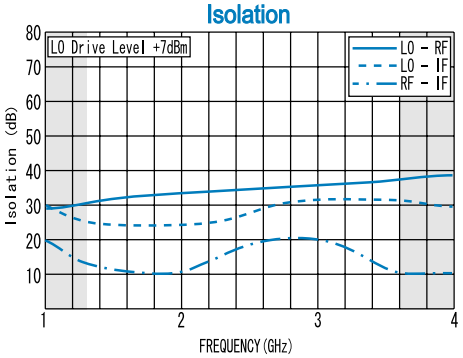
Conversion Loss vs LO Drive Level



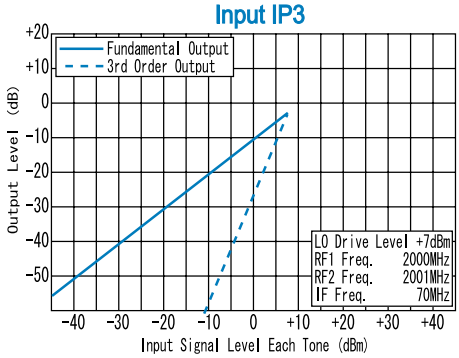
SCHEMATIC



Isolation



Input IP3



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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