

Non-Catalog Model

Frequency Mixer

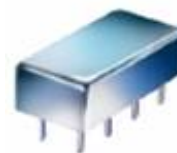
Level 7 (LO Power +7 dBm)

TAK-6R

Important Note

This is a non-catalog model and can be manufactured on specific request.
Pricing and delivery information can be supplied upon request.

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CASE STYLE : A04

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	0.5		600	MHz
	RF (fL to fU)	0.5		600	MHz
	IF	0		600	MHz
Conversion Loss	mid band		5.4	7.0	dB
	Total Range			8.0	dB
LO-RF Isolation	Low Range	50	55		dB
	Mid Range	30	45		dB
	Upper Range	30	35		dB
LO-IF Isolation	Low Range	40	45		dB
	Mid Range	25	40		dB
	Upper Range	25	30		dB
1 dB Comp. Input Power			+1		dBm

Notes: Low Range = [fL to 10fL]
mid band = [2fL to fU/2]

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

Hermetically sealed

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
IF Current	40mA

PIN CONNECTIONS	
LO	1
RF	8
IF	5, 6 ^
GROUND	2, 3, 4, 7

^ - pins must be connected together externally

Electrical Schematics

