HENGWEI MICROWAVE

DOUBLE &TRIPLE -BALANCED MIXER

HWM50/50C

◆LO 、 RF: 2 TO 26GHz
◆IF: 1.0 TO 12.0GHz
◆LO DRIVE : +10dBm(nominal)
◆WIDE BANDWIDTH
◆HIGH COMPRESSION POINT

Guaranteed Specification[1]

Characteristics	Min.	Typ.	Max.	Test Conditions
SSB Conversion Loss and SSB Noise Figure		7.5dB 8.0dB 9.0dB	9.5dB 10.5dB 11.5dB	f_R=2.5 to 18 GHz, f_L=2.0 to 18 GHz, f_I=2.0 to 10 GHz f_R=2.0 to 18 GHz, f_L=2.0 to 26 GHz, f_I=2.0 to 12 GHz f_R=2.0 to 26 GHz, f_L=2.0 to 26 GHz, f_I=1.0 to 12 GHz 1.0 to 12 GHz $f_L < f_R$
Isolation L to R L to I	20dB 15dB 20dB 15dB	30dB 22dB 30dB 22dB		f_L=2 to 3 GHz f_L=3 to 26 GHz f_L=2 to 7 GHz f_L=7 to 26 GHz
Conversion Compression			1.0dB	f_R Level+5 dBm f_L Level+10 dBm
Third-Order Input Intercept Point		+15dBm +15dBm		f_{R1}=5.00 GHz, f_{R2}=5.01 GHz both at -6dBm, f_L=8 GHz at +10dBm f_{R1}=25.00 GHz, f_{R2}=25.01 GHz both at -6dBm, f_L=15.0 GHz at +10dBm
VSWR R VSWR L VSWR I		2 2 2		

Notes:
1. Measured in a 50-ohm system with nominal LO drive and downconverter application only, unless otherwise specified.

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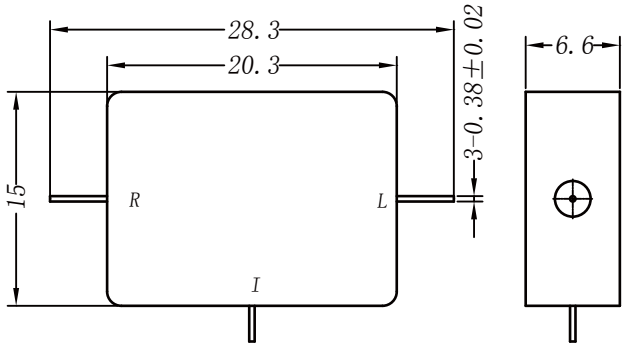
Absolute Maximum Ratings

Operating Temperature: -54℃ to +100℃
Storage Temperature: -65℃ to +100℃
Peak Input Power: +26dBm max.at+25℃+22dBm max. at +100℃

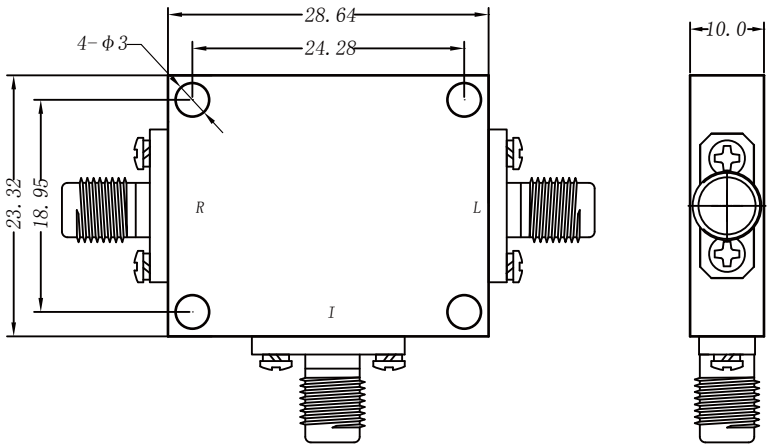
Weight M50: 12 grams(0.42 oz.) max.
M50C: 40grams(1.41 oz.) max.

Outline Drawings

M50
(MINPAC)



M50C
(CONNECTORIZED)



DIMENSIONS ARE IN MILLIMETERS

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