

VMMX-0.0012-0.01M/125M-PC

FEATURES

- ◆ LO/RF frequency range:0.01~125MHz
- ◆ IF frequency range: DC~125MHz
- ◆ Low conversion loss, high isolation

TYPICAL APPLICATIONS

- ◆ Military
- ◆ Testing
- ◆ Commercial

ELECTRICAL SPECIFICATIONS

Parameter	Conditions	Performance	Unit
LO/RF Range	-	0.01~125	MHz
IF Range	-	DC~125	MHz
LO driver	-	7	dBm
Conversion Loss	0.02~62.5MHz	≤6.0	dB
	0.01~125MHz	≤6.5	dB
Isolation (L-R)	0.01~0.1MHz	≥50	dB
	0.1~62.5MHz	≥30	dB
	62.5~125MHz	≥25	dB
Isolation (L-I)	0.01~0.1MHz	≥45	dB
	0.1~62.5MHz	≥25	dB
	62.5~125MHz	≥20	dB
Input P1dB	-	1 typ.	dBm
Input IP3	-	15 typ.	dBm
Operating Temperature	-	-55~85	°C
Storage Temperature	-	-55~100	°C

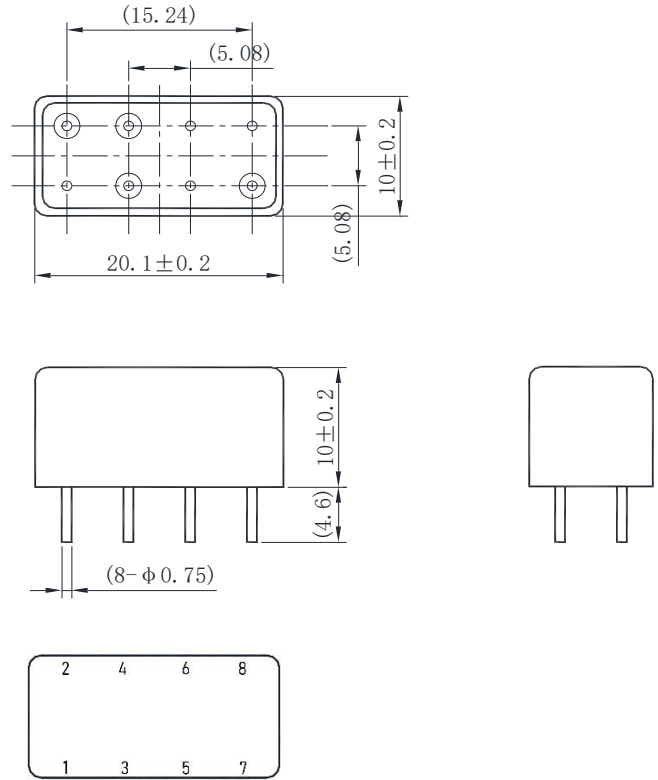
OUTLINE DRAWING

Metal-ceramic surface mount package.

General tolerance for dimensions not individually noted according to GB/T 1804-2000-m.

Unit: mm

Weight: $\leq 20g$



PIN DEFINITION

Pin Number	Function	Pin Number	Function
1	RF	2, 5, 6, 7	GND
3, 4	IF (Must be connected externally in the circuit.)	8	LO

INSTALLATION & HANDLING NOTES

1. Soldering: Manual soldering only. Tip $\leq 320^{\circ}C$, each joint $< 3s$, interval between joints $\geq 15s$. Preheating at $120^{\circ}C$ recommended.
2. Package: Metal through-hole, hermetically sealed. Body & leads: Kovar, Ni (1.3–8.9 μm) + PbSn. Lid: steel strip, Ni (1.3–8.9 μm).
3. ESD: Class 0 (200V). Standard ESD precautions required.