

MF1051V-5

FOR DIGITAL MOBILE TELEPHONE, Tx

MF1051V-5

DESCRIPTION

This SAW filter for the RF circuit of digital mobile communication equipment operating at 1429 MHz ~ 1453 MHz.

FEATURES

1. SMD package insures small size, lightweight.
2. Adjustment free.
3. Low insertion loss and high stop band attenuation.
4. Wide and sharp passband characteristics.
5. High stability and reliability.
6. Designed for reflow solderings.

APPLICATION

- Digital mobile cellular telephone
- Portable digital cellular telephone
- Wireless equipment

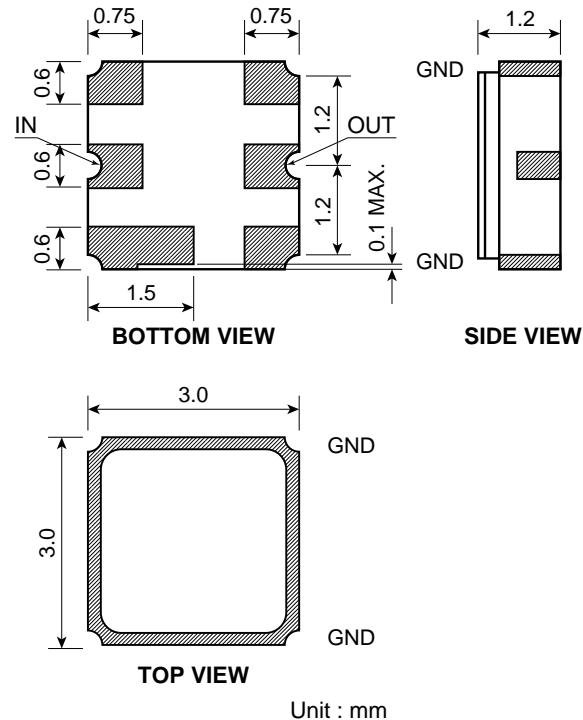
MAXIMUM RATINGS

Rating	Value	Unit
Input Power	40	mW
Operating Temperature Range	-20 to 75	°C
Storage Temperature Range	-30 to 85	°C

ELECTRICAL PERFORMANCE

Parameter	MF1051V-5		Units		
	Min	Typ		Max	
PASSBAND FREQUENCY	1429 – 1453		MHz		
PASSBAND CHARACTERISTICS	Insertion Loss	2.7	3.6	dB	
	Ripple	0.5	1.5		dBp-p
	VSWR	2.2	2.7		
	STOPBAND ATTENUATION				
0 – 1050 MHz	45	50	dB		
1050 – 1360 MHz	25	32			
1477 – 1501 MHz	20	30			
1607 – 1631 MHz	42	47			
1785 – 1809 MHz	40	45			
1809 – 3000 MHz	25	33	dB		

PACKAGE OUTLINE DIMENSIONS



DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1051V-5 TYPICAL CHARACTERISTICS

