

MF1053S-1

FOR DIGITAL MOBILE TELEPHONE, Rx

MF1053S-1

DESCRIPTION

This SAW filter for the receiving RF circuit of digital mobile communication equipment operating at 810 MHz ~ 826 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

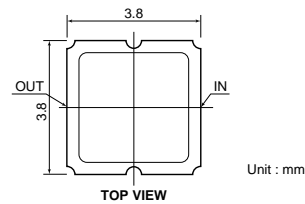
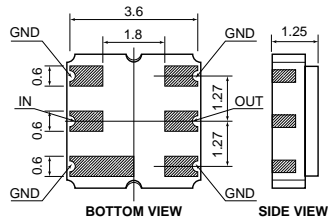
MAXIMUM RATINGS

Rating	Value	Unit
Input Power	50	mW
Operating Temperature Range	-20 to 75	°C
Storage Temperature Range	-30 to 85	°C

ELECTRICAL PERFORMANCE

Parameter	MF1053S-1			Units
	Min	Typ	Max	
PASSBAND FREQUENCY	810 ~ 826			MHz
PASSBAND CHARACTERISTICS	Insertion Loss	1.9	3.0	dB
	Ripple	0.8	1.5	dBp-p
	VSWR	1.8	2.5	
STOPBAND ATTENUATION	0 ~ 600 MHz	30	33	dB
	600 ~ 730 MHz	20	25	dB
	940 ~ 956 MHz	25	30	dB
	980 ~ 1090 MHz	30	34	dB
	1200 ~ 2500 MHz	23	27	dB

PACKAGE OUTLINE DIMENSIONS



DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1053S-1 TYPICAL CHARACTERISTICS

