

# MF1010S-1

FOR AMPS MOBILE TELEPHONE, Tx

MF1010S-1

## DESCRIPTION

This SAW filter for the transmitting RF circuit of AMPS mobile communication equipment operating at 824 MHz ~ 849 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

- Mobile Cellular Telephone
- Portable Cellular Telephone
- Wireless equipment

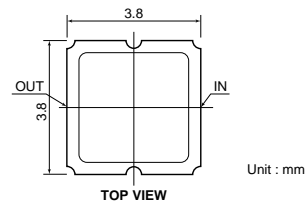
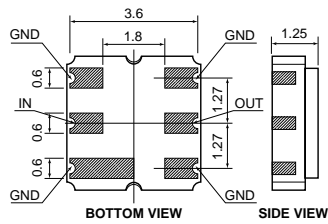
## MAXIMUM RATINGS

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

## ELECTRICAL PERFORMANCE

Parameter	MF1010S-1			Units
	Min	Typ	Max	
PASSBAND FREQUENCY	824 ~ 849			MHz
PASSBAND CHARACTERISTICS	Insertion Loss	3.2	3.8	dB
	Ripple	1.1	1.5	dBp-p
	VSWR	2.1	3.0	
STOPBAND ATTENUATION	0 ~ 760 MHz	40	55	dB
	760 ~ 800 MHz	30	35	dB
	869 ~ 915 MHz	20	24	dB
	915 ~ 1200 MHz	40	50	dB

## PACKAGE OUTLINE DIMENSIONS



DIMENSIONS ARE IN MILLIMETERS  
±0.2 UNLESS OTHERWISE SPECIFIED

## MF1010S-1 TYPICAL CHARACTERISTICS

