

MF1009S-1

FOR AMPS MOBILE TELEPHONE, Rx

MF1009S-1

DESCRIPTION

This SAW filter for the receiving RF circuit of AMPS mobile communication equipment operating at 869 MHz ~ 894 MHz.

FEATURES

- 1. SMD package insures small size, lightweight.
- 2. Adjustment free.
- 3. Low insertion loss.
- 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

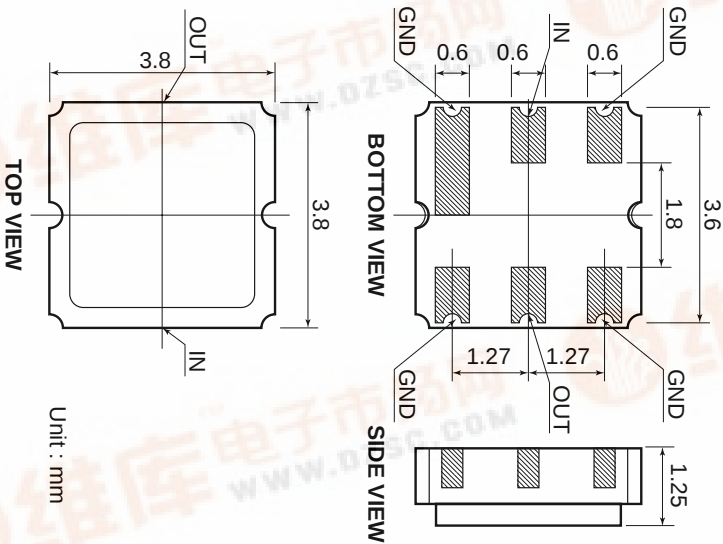
MAXIMUM RATINGS

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

ELECTRICAL PERFORMANCE

Parameter	MF1009S-1 Min Typ Max	Units
PASSBAND FREQUENCY	869 ~ 894	MHz
PASSBAND CHARACTERISTICS		
Insertion Loss	3.1 3.8	dB
Ripple	1.1 1.5	dBp-p
VSWR	2.0 3.0	
STOPBAND ATTENUATION		
0 ~ 800 MHz	40 52	dB
800 ~ 849 MHz	25 30	dB
916 ~ 965 MHz	20 25	dB
965 ~ 1200 MHz	40 45	dB

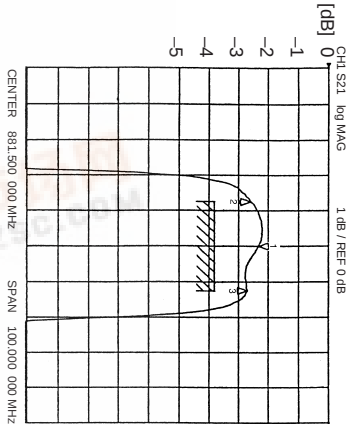
PACKAGE OUTLINE DIMENSIONS



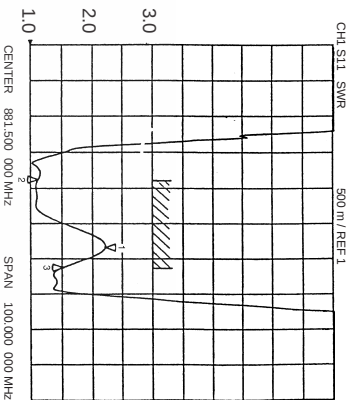
[查询MF1009S-1供应商](#)

MF1009S-1 TYPICAL CHARACTERISTICS

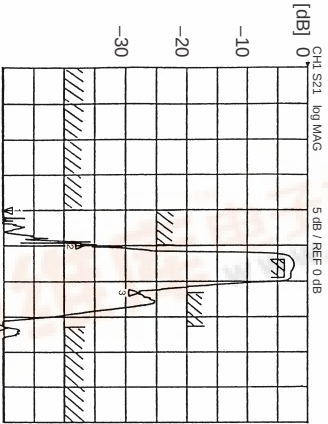
Insertion Loss vs. Frequency



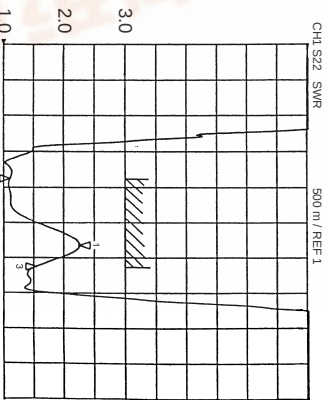
Input VSWR vs. Frequency



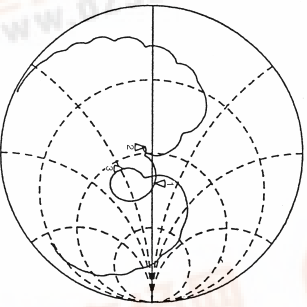
Attenuation vs. Frequency



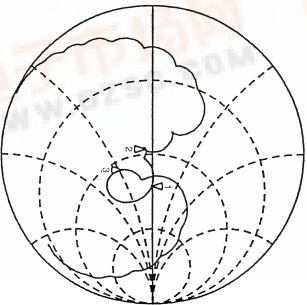
Output VSWR vs. Frequency



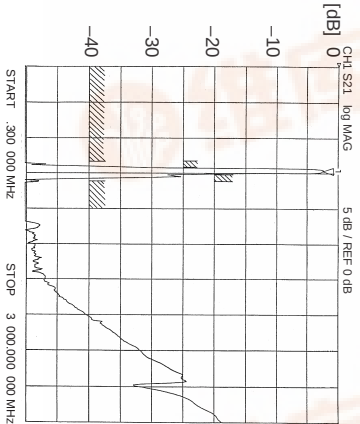
Input Reflection Coefficient vs. Frequency



Output Reflection Coefficient vs. Frequency



Attenuation vs. Frequency



DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED