

MF1017S-2

FOR DIGITAL MOBILE TELEPHONE, Rx

MF1017S-2

DESCRIPTION

This SAW filter for the receiving RF circuit of digital mobile communication equipment operating at 810 MHz ~ 830 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

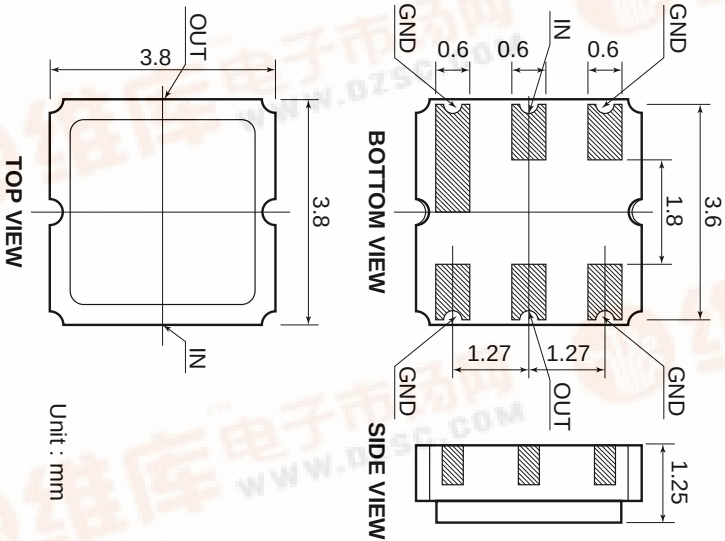
MAXIMUM RATINGS

Rating	Value	Unit
Input Power	100	mW
Operating Temperature Range	-20 to 75	°C
Storage Temperature Range	-30 to 85	°C

ELECTRICAL PERFORMANCE

Parameter	MF1017S-2 Min Typ Max	Units
PASSBAND FREQUENCY	810 – 830	MHz
PASSBAND CHARACTERISTICS		
Insertion Loss	2.9 3.9	dB
Ripple	1.0 1.5	dBp-p
VSWR	2.0 3.0	
STOPBAND ATTENUATION		
0 – 600 MHz	25 35	dB
600 – 760 MHz	30 35	dB
880 – 1500 MHz	30 35	dB

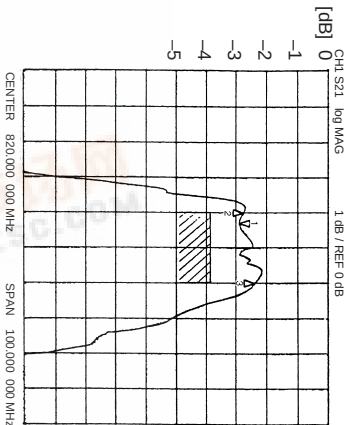
PACKAGE OUTLINE DIMENSIONS



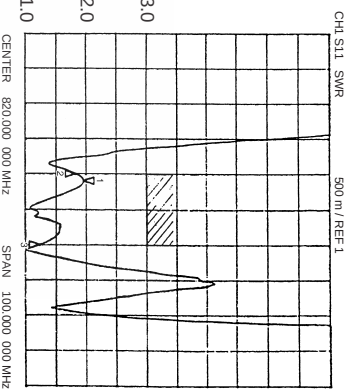
DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1017S-2 TYPICAL CHARACTERISTICS

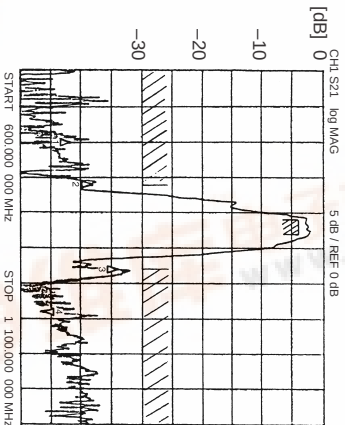
Insertion Loss vs. Frequency



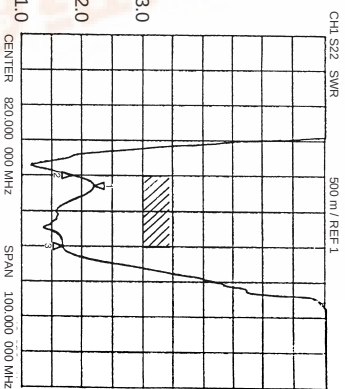
Input VSWR vs. Frequency



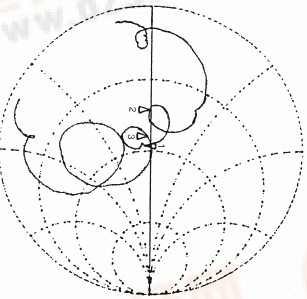
Attenuation vs. Frequency



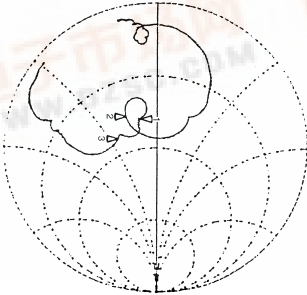
Output VSWR vs. Frequency



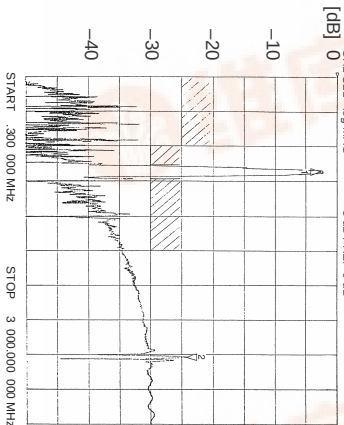
Input Reflection Coefficient vs. Frequency



Output Reflection Coefficient vs. Frequency



Attenuation vs. Frequency



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