MF1150V-2

FOR AMPS MOBILE TELEPHONE, Rx

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

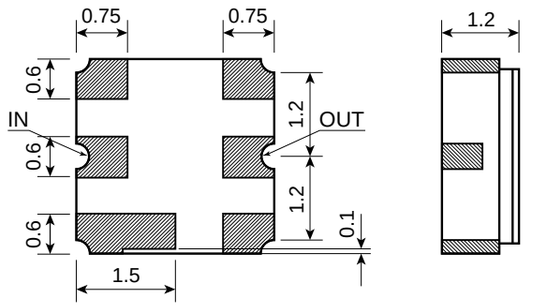
MAXIMUM RATINGS

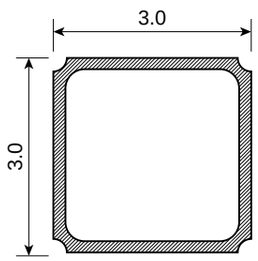
Rating	Value	Unit
Input Power	50	mW
Operating Temperature Range	–20 to 75	°C
Storage Temperature Range	–30 to 85	°C

ELECTRICAL PERFORMANCE

Parameter	MF1150V-2 Min	Typ	Max	Units
PASSBAND FREQUENCY		869 – 894		MHz
PASSBAND CHARACTERISTICS				
Insertion Loss		2.4	3.0	dB
Ripple		1.0	2.0	dBp-p
VSWR		1.9	2.5	
STOPBAND ATTENUATION				
0 – 849 MHz	20	28		dB
914 – 939 MHz	15	32		dB
939 – 1049 MHz	24	31		dB
1049 – 2000 MHz	20	31		dB

PACKAGE OUTLINE DIMENSIONS



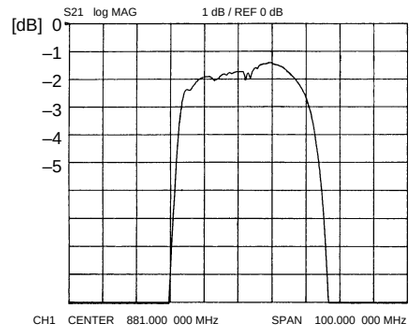


Unit : mm

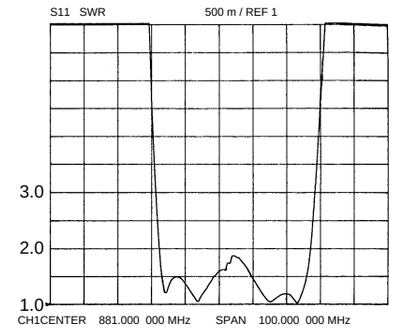
DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1150V-2 TYPICAL CHARACTERISTICS

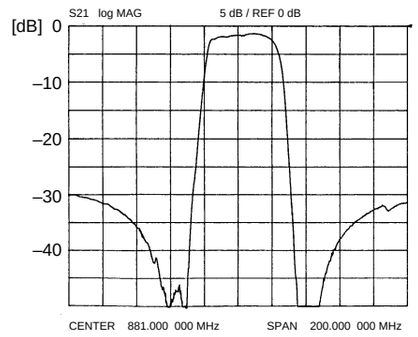
Insertion Loss vs. Frequency



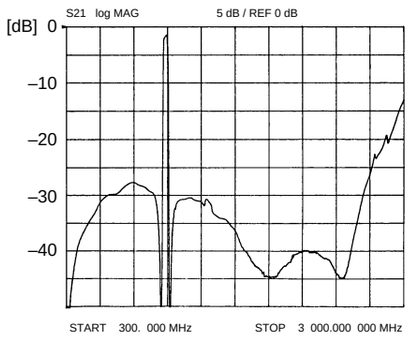
Input VSWR vs. Frequency



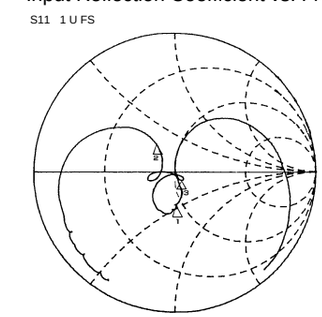
Attenuation vs. Frequency



Attenuation vs. Frequency

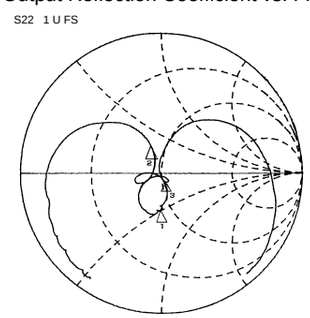


Input Reflection Coefficient vs. Frequency



MARKER 1 : 881.5 MHz
MARKER 2 : 869 MHz
MARKER 3 : 894 MHz

Output Reflection Coefficient vs. Frequency



MARKER 1 : 881.5 MHz
MARKER 2 : 869 MHz
MARKER 3 : 894 MHz