

MF1018V-4

FOR DIGITAL MOBILE TELEPHONE, Rx

MF1018V-4

DESCRIPTION

This SAW filter for the transmitting RF circuit of digital mobile communication equipment operating at 940 MHz ~ 960 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

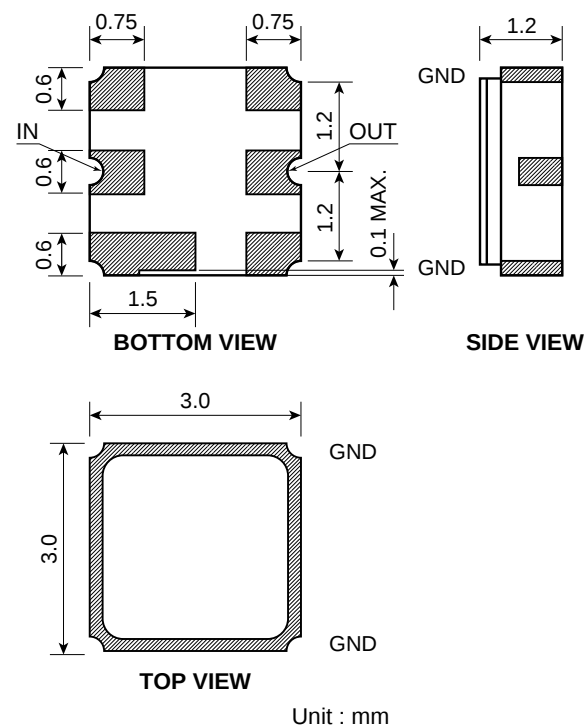
MAXIMUM RATINGS

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

ELECTRICAL PERFORMANCE

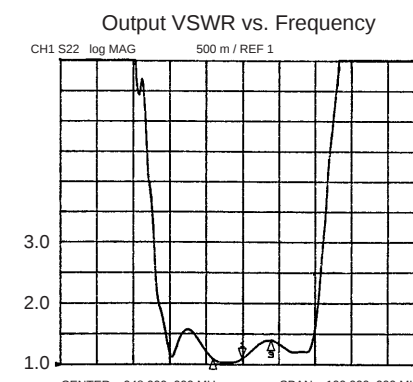
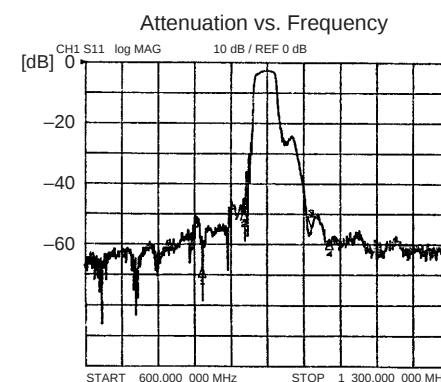
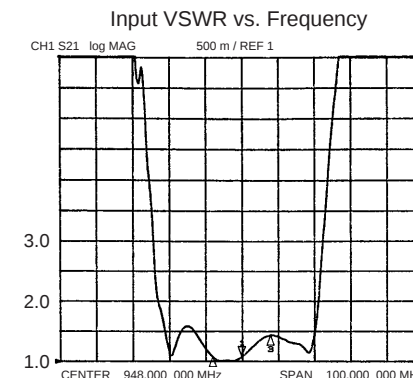
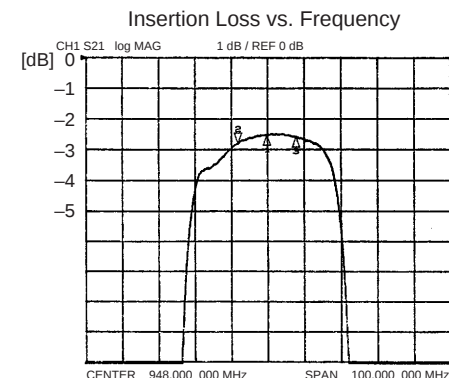
Parameter	MF1018V-4			Units
	Min	Typ	Max	
PASSBAND FREQUENCY	940 – 960			MHz
PASSBAND CHARACTERISTICS				
Insertion Loss		3.1	3.5	dB
Ripple		0.8	1.5	dBp-p
VSWR		1.4	2.5	
STOPBAND ATTENUATION				
681 – 697 MHz	40	60		dB
810 – 826 MHz	35	49		dB
1070 – 1086 MHz	30	55		dB
1199 – 1215 MHz	25	55		dB
1880 – 1912 MHz	25	53		dB
2820 – 2868 MHz	15	30		dB

PACKAGE OUTLINE DIMENSIONS

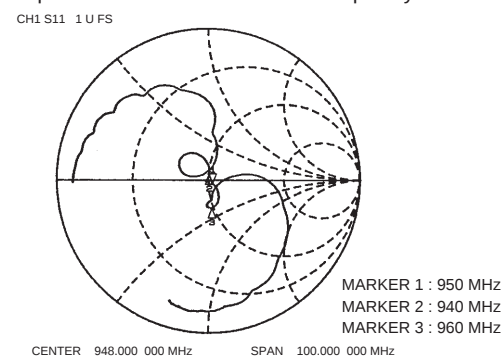


DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

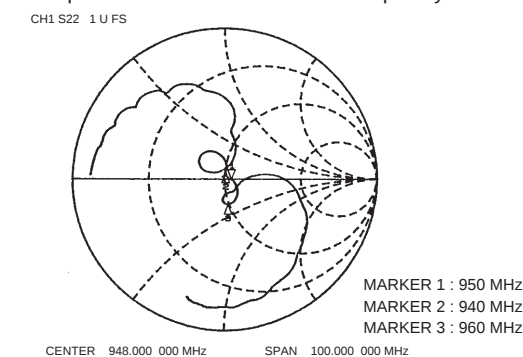
MF1018V-4 TYPICAL CHARACTERISTICS



Input Reflection Coefficient vs. Frequency



Output Reflection Coefficient vs. Frequency



Attenuation vs. Frequency

