MF1049-2

FOR WIRELESS LOCAL LOOP, Tx

DESCRIPTION

This SAW filter for the transmitting RF circuit of wireless local loop communication equipment operating at 440 MHz ~ 450 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

- Cordless telephone
- Portable cellular telephone
- Wireless equipment

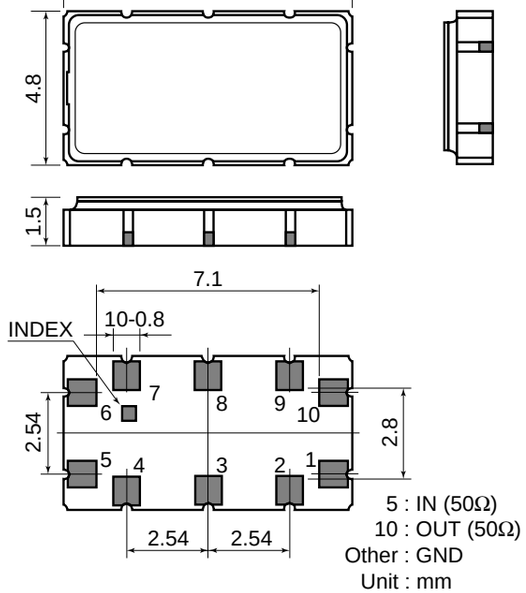
MAXIMUM RATINGS

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

ELECTRICAL PERFORMANCE

Parameter	MF1049-2 Min	Typ	Max	Units
PASSBAND FREQUENCY	440 – 450			MHz
PASSBAND CHARACTERISTICS				
Insertion Loss		2.4	3.5	dB
Ripple		0.4	1.5	dBp-p
VSWR		1.6	2.5	
STOPBAND ATTENUATION				
0 – 400 MHz	40	48		dB
485 – 640 MHz	35	45		dB
640 – 900 MHz	30	40		dB
900 – 1350 MHz	20	30		dB

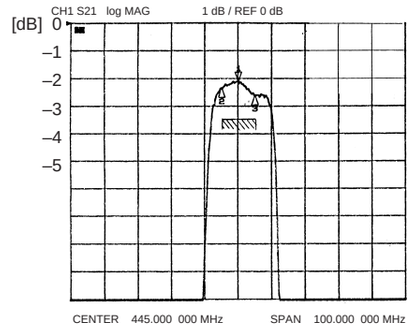
PACKAGE OUTLINE DIMENSIONS



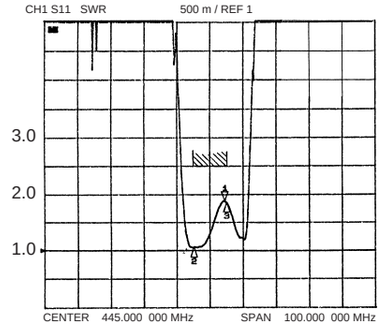
DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1049-2 TYPICAL CHARACTERISTICS

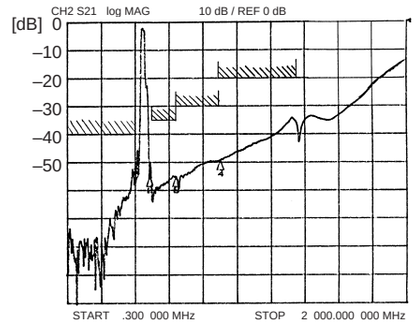
Insertion Loss vs. Frequency



Input VSWR vs. Frequency



Attenuation vs. Frequency



Output VSWR vs. Frequency

