FOR IF FILTER OF PHS HAND HELD

MF1103-1

DESCRIPTION

This SAW filter for the IF filter circuit of PHS hand held

APPLICATION

PHS Handheld

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.

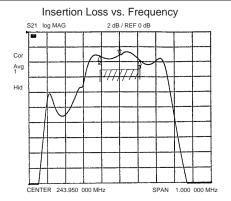
ELECTRICAL PERFORMANCE

PRELIMINARY

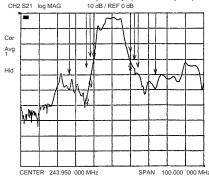
Item	Frequency range	Min.	Тур.	Max.	Units
Center Fraquency (fo)	243.95 MHz				
Bandwidth (fo-3 dB)		±110	±150		kHz
Insertion Loss at fo	243.95 MHz		4.0	5.0	dB
Pass Band Ripple	fo ± 110 kHz		1.0	1.5	dBp-p
Group Delay Ripple	fo ± 110 kHz		0.4	1.0	SEC
Stop band Attenuation (relative to 0 dB)	fo -21.6 MHz	62.0	67.0		dB
	fo -10.8 MHz	60.0	65.0		
	fo - 1.2 MHz	40.0	50.0		
	fo - 0.7 MHz	35.0	40.0		
	fo - 0.6 MHz	28.0	35.0		
	fo - 0.5 MHz	22.0	28.0		
	fo + 0.5 MHz	25.0	30.0		
	fo + 0.6 MHz	30.0	36.0		
	fo + 0.7 MHz	35.0	42.0		
	fo + 1.2 MHz	40.0	50.0		
	fo +10.8 MHz	60.0	70.0		
	fo +21.6 MHz	60.0	65.0		
Terminal Impedance	290 Ω // 6.0 pF				
Package Size	7.0 × 5.0 × 1.8 mm				

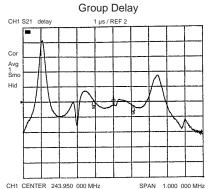
Operating temperature range: -10 ~ +60°C

MF1103-1 TYPICAL CHARACTERISTICS

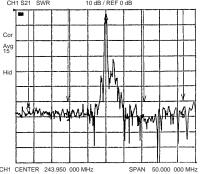




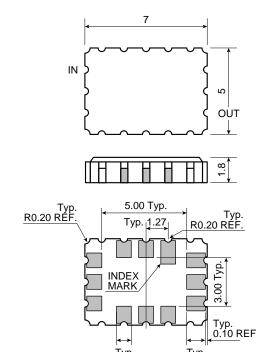




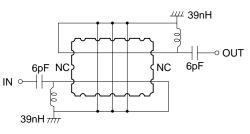
Attenuation vs. Frequency (50 MHz Span)
CH1 S21 SWR 10 dB / REF 0 dB



PACKAGE OUTLINE DIMENSIONS



Measurement Circuit



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