MF1105-1

FOR IF FILTER OF GSM HAND HELD

DESCRIPTION

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

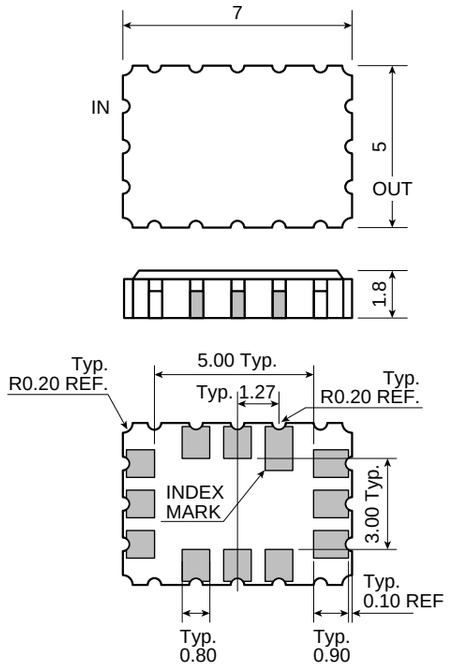
FEATURES

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

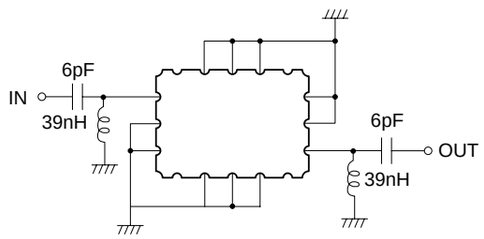
• GSM Handheld

PACKAGE OUTLINE DIMENSIONS



Unit : mm

Measurement Circuit



ELECTRICAL PERFORMANCE

PRELIMINARY

Item	Frequency range	Min.	Typ.	Max.	Units
Center Fraquency (f_0)	246.0 MHz	– – –	– – –	– – –	– – –
Bandwidth (f_0-3 dB)	– – –	±110	±150	– – –	kHz
Insertion Loss at f_0	246.0 MHz	– – –	3.0	4.0	dB
Pass Band Ripple	f_0 ± 110 kHz	– – –	1.0	1.5	dBp-p
Group Delay Ripple	f_0 ± 110 kHz	– – –	0.4	1.0	µsec p-p
Stop band Attenuation (relative to 0 dB)	f_0 –21.6 MHz	65.0	70.0	– – –	dB
	f_0 –10.8 MHz	60.0	66.0	– – –	
	f_0 – 1.2 MHz	40.0	60.0	– – –	
	f_0 – 0.7 MHz	33.0	38.0	– – –	
	f_0 – 0.6 MHz	25.0	30.0	– – –	
	f_0 – 0.5 MHz	22.0	28.0	– – –	
	f_0 + 0.5 MHz	25.0	30.0	– – –	
	f_0 + 0.6 MHz	30.0	36.0	– – –	
	f_0 + 0.7 MHz	35.0	42.0	– – –	
	f_0 + 1.2 MHz	40.0	50.0	– – –	
	f_0 +10.8 MHz	60.0	67.0	– – –	
	f_0 +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