

MF1105-1

FOR IF FILTER OF GSM HAND HELD

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DESCRIPTION

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

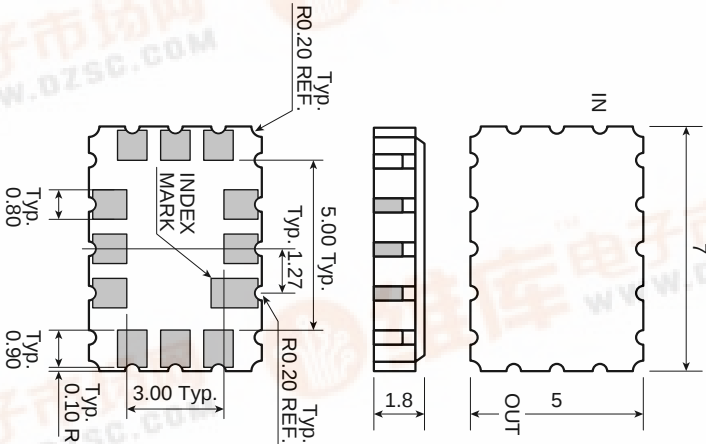
FEATURES

- 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

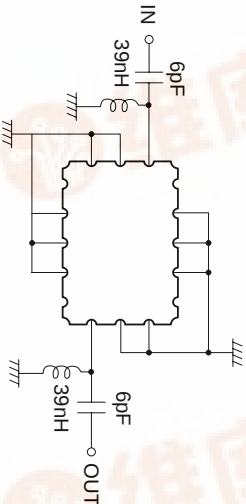
- GSM Handheld

PACKAGE OUTLINE DIMENSIONS



Unit : mm

Measurement Circuit



ELECTRICAL PERFORMANCE

PRELIMINARY

Item	Frequency / range	Min.	Typ.	Max.	Units
Center Frequency (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-
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	---	
Terminal Impedance	f ₀ + 10.8 MHz	60.0	67.0	---	
	f ₀ + 21.6 MHz	60.0	65.0	---	
Package Size	290 Ω // - 6.0 pF 7.0 × 5.0 × 1.8 mm				

Operating temperature range: -10 ~ +60°C

