

DESCRIPTION

This SAW filter for the IF filter circuit of DCS 1800 hand held

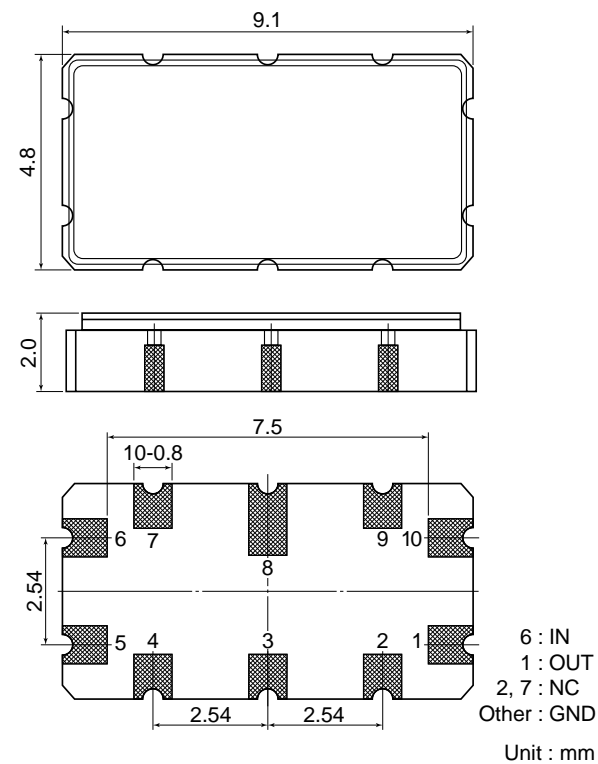
FEATURES

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

- DCS 1800 Handheld

PACKAGE OUTLINE DIMENSIONS



ELECTRICAL PERFORMANCE

PRELIMINARY

Item	Frequency range	Min.	Typ.	Max.	Units
Center Frequency (f ₀)	246.0 MHz	---	---	---	---
Bandwidth (f ₀ -3 dB)	---	±90	±150	---	kHz
Insertion Loss at f ₀	246.0 MHz	---	---	---	dB
Pass Band Ripple	245.91 ~ 246.09 MHz (f ₀ ± 90 kHz)	---	0.8	2.0	dBp-p
Group Delay Ripple	245.91 ~ 246.09 MHz (f ₀ ± 90 kHz)	---	0.8	1.5	μsec p-p
Attenuation (relative to 0 dB)	f ₀ -25.0 ~ f ₀ -3.0 MHz	47.0	52.0	---	dB
	f ₀ -1.6 MHz	48.0	53.0	---	
	f ₀ -0.8 MHz	22.0	25.0	---	
	f ₀ -0.6 MHz	22.0	25.0	---	
	f ₀ -0.4 MHz	20.0	25.0	---	
	f ₀ -0.2 MHz	6.0	8.0	---	
	f ₀ +0.2 MHz	6.0	10.0	---	
	f ₀ +0.4 MHz	28.0	33.0	---	
	f ₀ +0.6 MHz	33.0	38.0	---	
	f ₀ +0.8 MHz	37.0	42.0	---	
	f ₀ +1.6 MHz	28.0	33.0	---	
	f ₀ +3.0 ~ f ₀ +5.0 MHz	33.0	38.0	---	
	f ₀ +5.0 ~ f ₀ +25.0 MHz	48.0	53.0	---	
Input and Output Impedances	290 Ω				
Package Size	9.1×4.8×2.0 mm				

Operating temperature range: $-10 \sim +75^\circ\text{C}$

Measurement Circuit

