

Features

- Low Insertion Loss
- High Attenuation
- High Power
- Compact Size
- Surface Mount

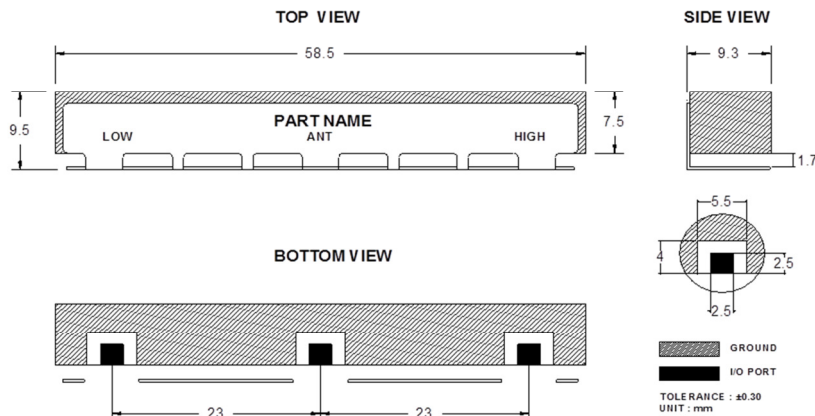
Descriptions

Surface mount high power ceramic duplexer developed for LTE band-3 applications.

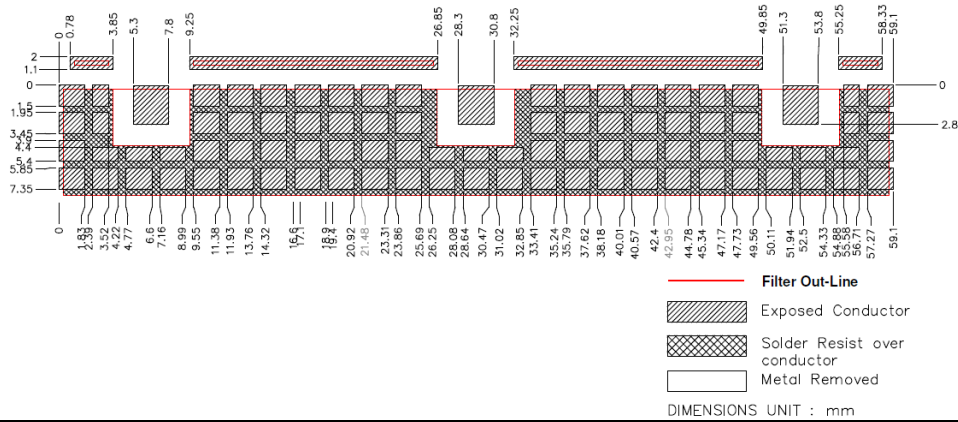
Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1760	1855
Passband Frequency Range	MHz	$F_c \pm 25$ (1735~1785MHz)	$F_c \pm 25$ (1830~1880MHz)
Insertion Loss in Passband	dB	2.0 max	3.0 max
Ripple in Passband	dB	1.0 max	1.0 max
Return Loss (VSWR) in Passband	dB	18.0 min	18.0 min
Attenuation	dB	30 min @ DC~960MHz	
		30 min @ 1930~2700MHz	30 min @ 1960~2700MHz
		50 min @ 1830~1880MHz	65 min @ 1735~1785MHz
		30 min @ 960~1500MHz	40 min @ 960~1735MHz
Power Handling	Watt	10 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	58.5 x 9.5 x 9.3 (L x W x H)	

Mechanical Drawing



Recommended PCB Layout



Electrical Response

