

Features

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

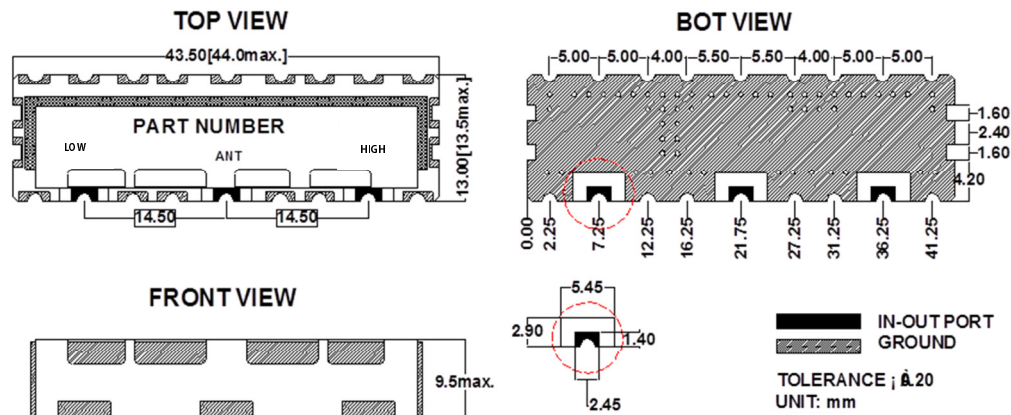
Descriptions

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

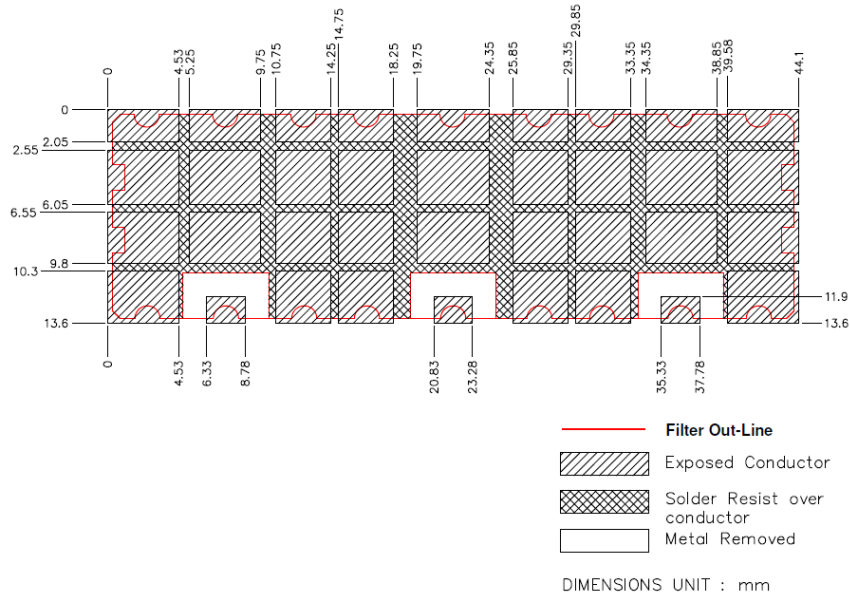
Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1747.5	1842.5
Passband Frequency Range	MHz	$F_c \pm 37.5$ (1710~1785MHz)	$F_c \pm 37.5$ (1805~1880MHz)
Insertion Loss in Passband	dB	2.5 max	2.5 max
Ripple in Passband	dB	1.5 max	1.5 max
Return Loss (VSWR) in Passband	dB	14.0 min	14.0 min
Attenuation	dB	50 min @ 1805~1880MHz	50 min @ 1710~1785MHz
Power Handling	Watt	3 max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	44 x 13.5 x 9.5 (L x W x H)	

Mechanical Drawing



Recommended PCB Layout



Electrical Response

