

Features

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

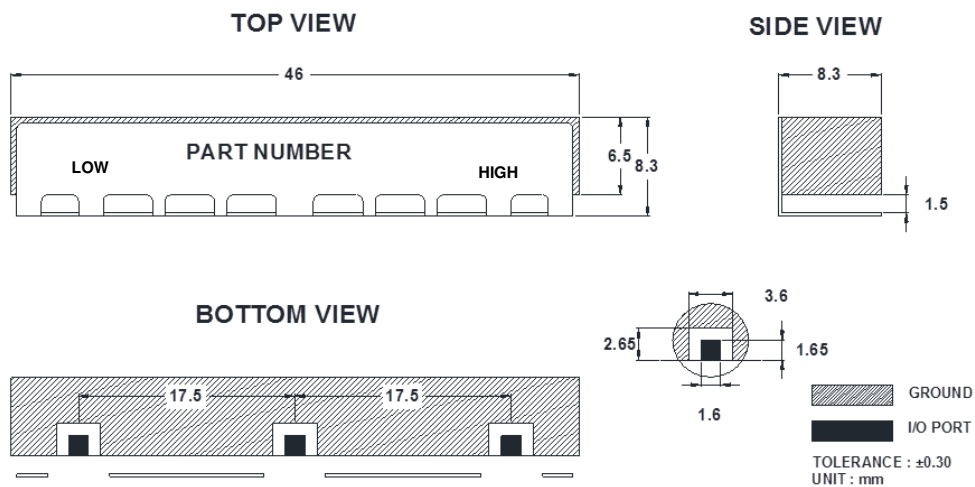
Descriptions

Surface mount high power ceramic duplexer developed for LTE band-1 applications.

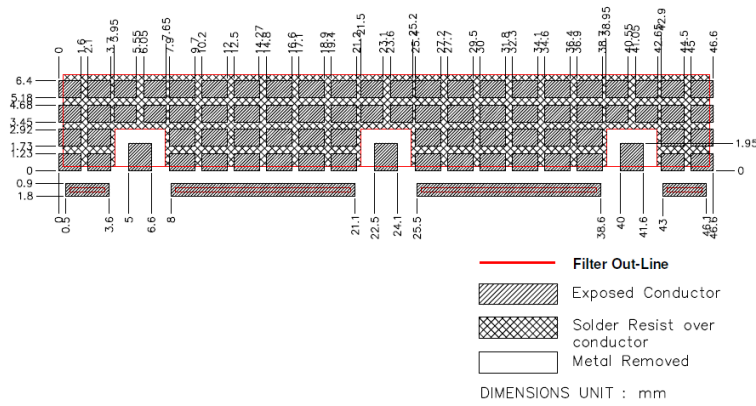
Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1950	2140
Passband Frequency Range	MHz	$F_c \pm 30$ (1920~1980MHz)	$F_c \pm 30$ (2110~2170MHz)
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	50 min @ 2110~2170MHz	70 min @ 1920~1980MHz
Power Handling	Watt	10 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	46 x 8.3 x 8.3 (L x W x H)	

Mechanical Drawing



Recommended PCB Layout



Electrical Performance

