

# DHPM1950-2140-60B1

LTE Band-1 Ceramic Duplexer

Rev 3- Original Revision Date: October 10, 2014- Revision Date: August 06, 2015

## Features

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

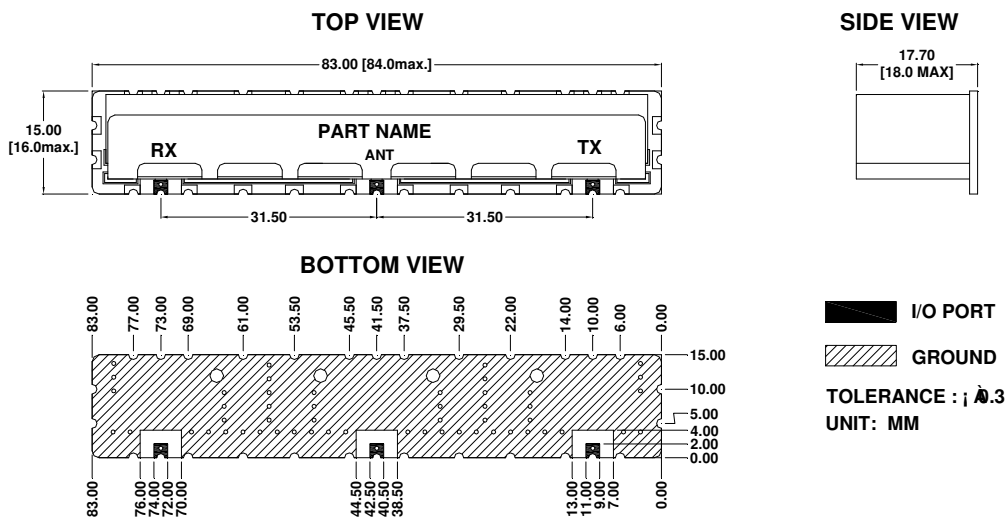
## Descriptions

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

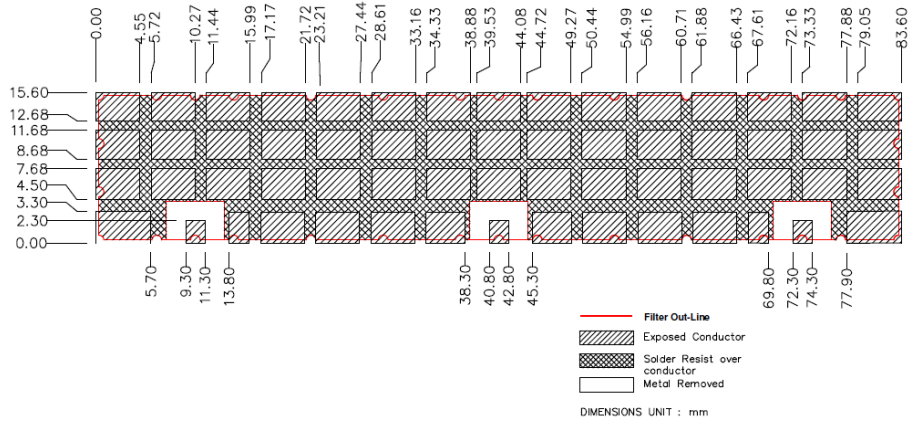
## Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	1950	2140
Passband Frequency Range	MHz	Fc±30 (1920~1980MHz)	Fc±30 (2110~2170MHz)
Insertion Loss in Passband	dB	1.0 max	1.0 max
Ripple in Passband	dB	0.5 max	0.5 max
Return Loss (VSWR) in Passband	dB	15.0 min	15.0 min
Attenuation	dB	60 min @ 2110~2170MHz	60 min @ 1920~1980MHz
Power Handling	Watt	10 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	84 x 16 x 18 (L x W x H)	

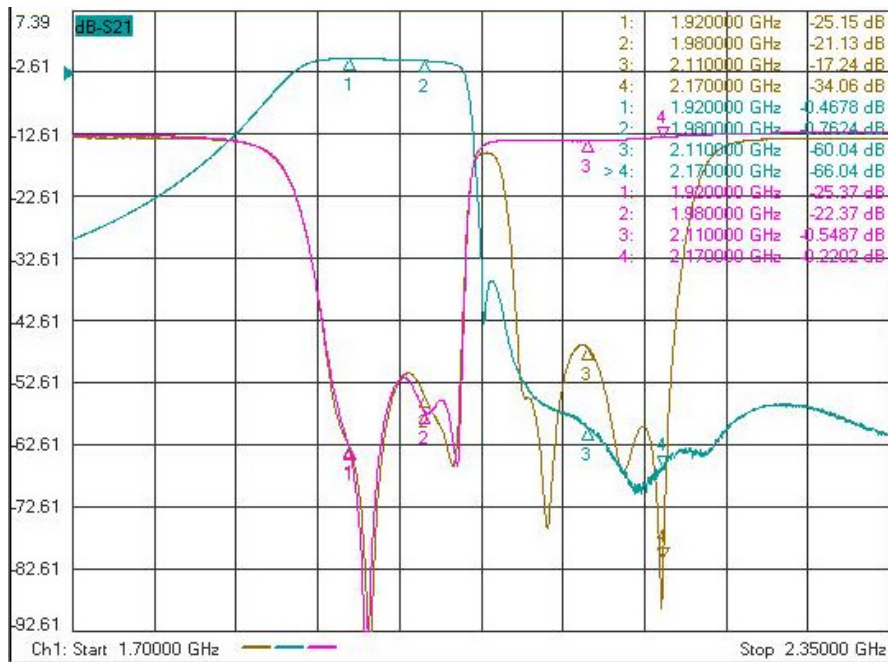
## Mechanical Drawing



## Recommended PCB Layout



## Electrical Response



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