

DHPM1747-1842-75A1

LTE Band-3 Ceramic Duplexer

Rev 3- Original Revision Date: July 29, 2013- Revision Date: August 06, 2015

Features

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

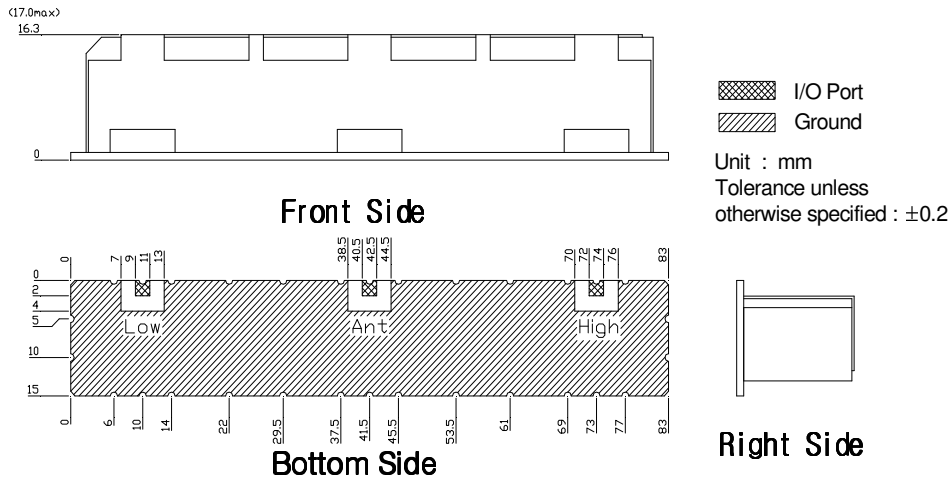
Descriptions

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

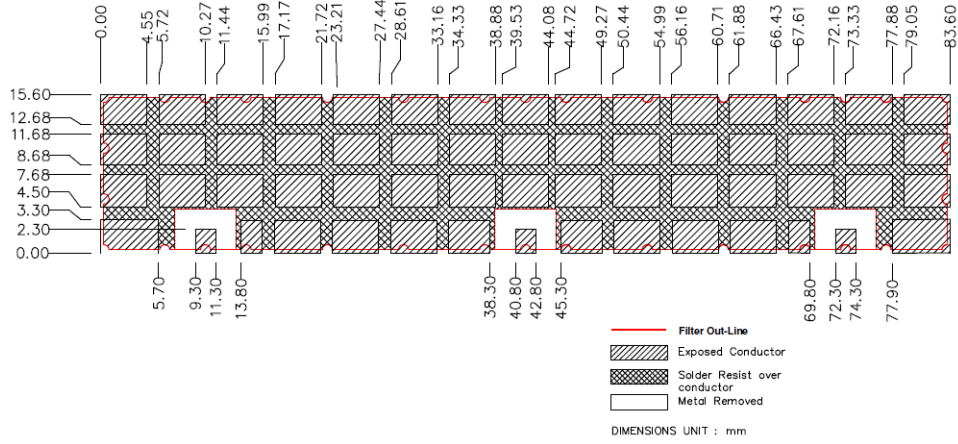
Electrical Specifications

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	3.0 max	3.0 max
Ripple in Passband	dB	2.0 max	2.0 max
Return Loss (VSWR) in Passband	dB	15.0 min	15.0 min
Attenuation	dB	55 min @ 1805~1880MHz	55 min @ 1710~1785MHz
Power Handling	Watt	20 CW max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	83 x 15 x 17 (L x W x H)	

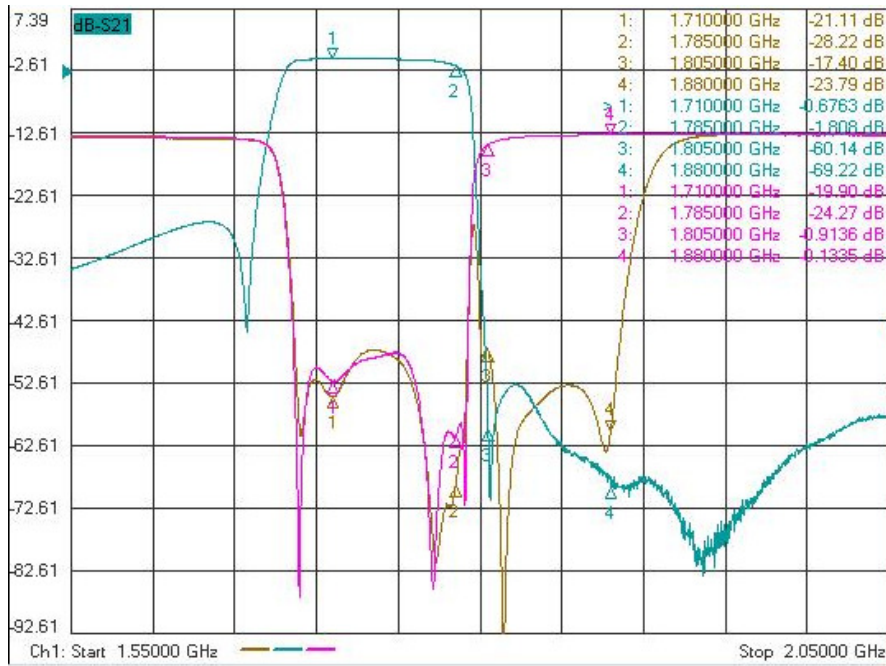
Mechanical Drawing



Recommended PCB Layout



Electrical Response



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