

Features

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

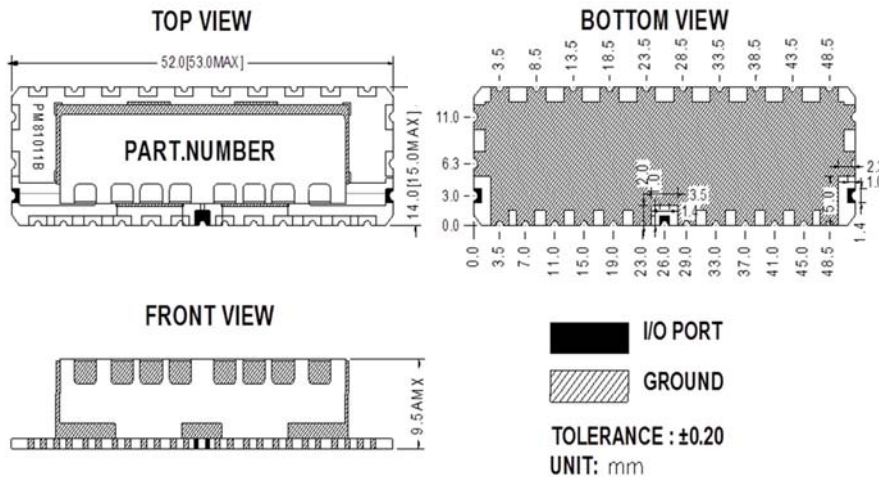
Descriptions

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

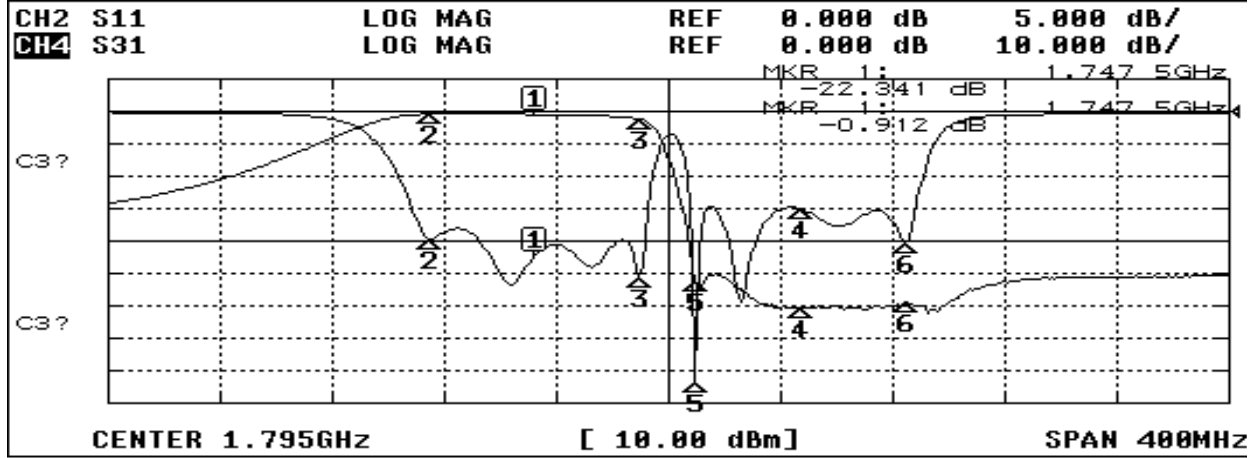
Electrical Specifications

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	3.5 max	3.5 max
Ripple in Passband	dB	2.5 max	2.5 max
Return Loss (VSWR) in Passband	dB	2.0:1 max	2.0:1 max
Attenuation	dB	45 min @ 1805~1880MHz	48 min @ 1710~1785MHz 25 min @ 1920~1980MHz
Power Handling	Watt	5 max	
In/Out Impedance	Ohm	50	
Operating Temperature	°C	-40 ~ +85	
Dimensions (max)	mm	53 x 15 x 9.5 (L x W x H)	

Mechanical Drawing

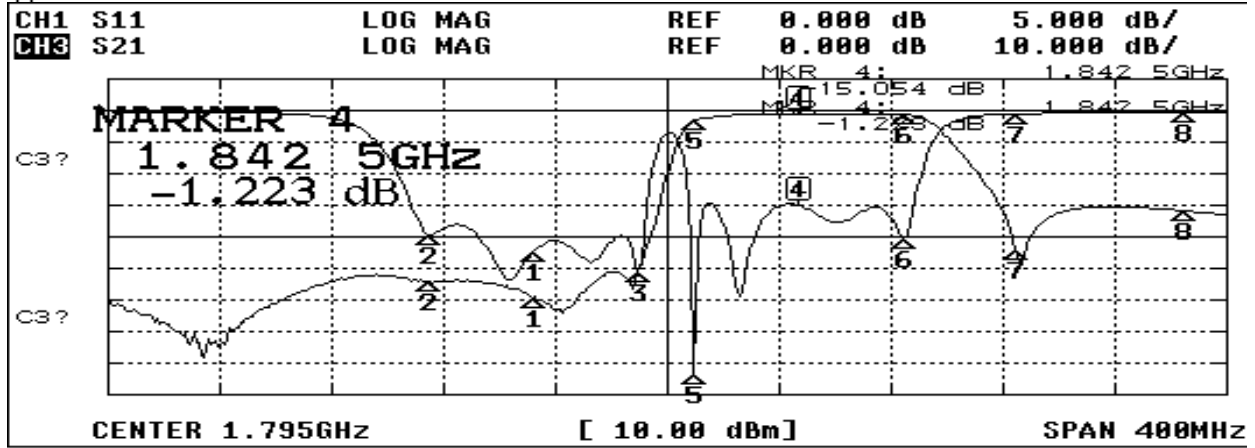


Electrical Response



CH4 MARKER LIST

1:	1.747 500GHz	-0.913 dB
2:	1.710 000GHz	-0.817 dB
3:	1.785 000GHz	-2.412 dB
4:	1.842 500GHz	-60.616 dB
5:	1.805 000GHz	-52.476 dB
6:	1.880 000GHz	-59.550 dB



CH3 MARKER LIST

1:	1.747 500GHz	-59.070 dB
2:	1.710 000GHz	-54.311 dB
3:	1.785 000GHz	-51.385 dB
4:	1.842 500GHz	-1.223 dB
5:	1.805 000GHz	-3.029 dB
6:	1.880 000GHz	-1.326 dB
7:	1.920 000GHz	-44.170 dB
8:	1.980 000GHz	-31.725 dB