Diplexer (for LTE Band)

FI 212P082931-T

Electrical Characteristics

			Specification	Typical Data	
	Pass band	Pass band 1	698 - 894 MHz	~	
	frequency	Pass band 2	880 - 960 MHz	~	
Low Band	Insertion Loss at Pass band	Pass band 1	0.5dB Max. (25deg-C)	1 ບ່າງແກ	
			0.6dB Max. (-40~+85deg-C)		
		Pass band 2	0.7dB Max. (25deg-C)	0.45 d B	
			0.8dB Max. (-40~+85deg-C)		
	V.S.W.R at Pass band	Common Port	2.0 Max.	1.10	
		Low Band Port	2.0 Max.	1.10	
	Attenuation	1420-2690MHz	13.0dB Min.	14.5 d B	
	Impedance	Common Port	50 ohm	-	
		Low Band Port	50 ohm	-	
	Pass band frequency	Pass band 3	1420 - 1520 MHz	÷	
		Pass band 4	1560 - 1610 MHz	÷	
		Pass band 5	1710 - 2170 MHz	÷	
		Pass band 6	2300 - 2690 MHz	~	
	at Pass band	Pass band 3	0.7dB Max. (25deg-C)	0.49dB	
			0.8dB Max. (-40~+85deg-C)		
		Pass band 4	0.5dB Max. (25deg-C)	0.30dB	
High			0.6dB Max. (-40~+85deg-C)		
Band		Pass band 5	0.5dB Max. (25deg-C)	0.5500	
			0.6dB Max. (-40~+85deg-C)		
		Pass band 6	0.5dB Max. (25deg-C)		
			0.6dB Max. (-40~+85deg-C)		
	V.S.W.R at	Common Port	2.0 Max.	1.40	
	Pass band	High B and Port	2.0 Max.	1.40	
	Attenuation	698-960MHz	13.0dB Min.	17.7 d B	
	Impedance	Common Port	50 ohm	-	
		High B and Port	50 ohm	-	
Isolation 698-960MHz 1420-2690MHz			13.0dB Min.	16.1dB	
		1420-2690MHz	13.0dB Min.	15.5dB	

Notice : All the technical data and specifications are subject to change without prior notice. This product is only intended for use in general communications applications and not intended for applications such as automotive embedded systems where higher safety and reliability are required. Before making final selection, please check product specification.

■ Shapes & Dimensions



Terminal				
1	Low Band			
2	GND			
3	High Band			
4	GND			
5	Common			
6	GND			

Mark	Marking	
А	Directional Input Mark	

	Mark	Dimension	Mark	Dimension
c1	L	2.00 +/-0.15	c1	0.20 +/-0.15
	W	1.25 +/-0.15	c2	0.20 +/-0.15
	Т	0.90 +/-0.1	е	0.35 +/-0.20
	а	0.30 +/-0.20	р	0.65 +/-0.20
	b	0.20 +/-0.15		
	b	0.20 +/-0.15		

Actual Data



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The Example of a Land Pattern

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Diplexer (FI 212P Series)

Electrodes pattern



50ohm

Line width be designed to match 500hm characteristic impedance.

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Resist pattern (aperture size)





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