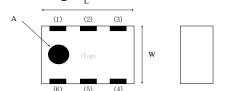
Diplexer (for LTE Band)

FI 212P082931-T

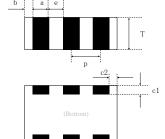
■ Electrical Characteristics

			Specification	Typical Data	
Low Band	Pass band	Pass band 1	698 - 894 MHz		
	frequency	Pass band 2	880 - 960 MHz	←	
	Insertion Loss at Pass band	Pass band 1	0.5dB Max. (25deg-C)	7 17 7 7 (17)	
			0.6dB Max. (-40~+85deg-C)		
		Pass band 2	0.7dB Max. (25deg-C)		
			0.8dB Max. (-40~+85deg-C)		
Dalid	V.S.W.R at	Common Port	2.0 Max.	1.10	
	Pass band	Low Band Port	2.0 Max.	1.10	
	Attenuation	1420-2690MHz	13.0dB Min.	14.5dB	
	Impedance	Common Port	50 ohm	-	
		Low Band Port	50 ohm	-	
		Pass band 3	1420 - 1520 MHz	←	
	Pass band frequency	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)	0.4905	
		Pass band 4	0.5dB Max. (25deg-C)	+ 0.30081	
High			0.6dB Max. (-40~+85deg-C)		
Band		Pass band 5	0.5dB Max. (25deg-C)	0.35 d B	
Dalid			0.6dB Max. (-40~+85deg-C)	0.5500	
		Pass band 6	0.5dB Max. (25deg-C)	0.35dB	
			0.6dB Max. (-40~+85deg-C)	0.5500	
	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.	17.7dB	
	Impedance	Common Port	50 ohm	-	
		High B and Port	50 ohm	-	
Isolation		698-960MHz	13.0dB Min.	16.1dB	
		1420-2690MHz	13.0dB Min.	15.5 d B	

■ Shapes & Dimensions



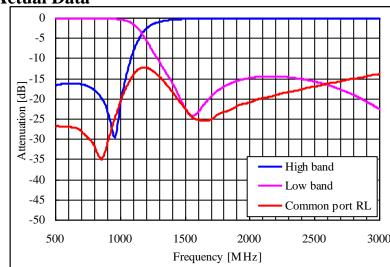
Terminal				
1	Low Band			
2	GND			
3	High Band			
4	GND			
5	Common			
6	GND			



Mark	Marking	
Α	Directional Input Mark	

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

■ Actual Data

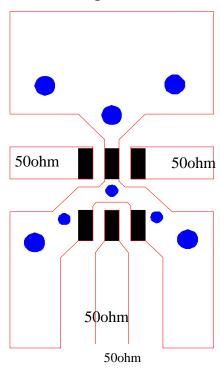


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The Example of a Land Pattern

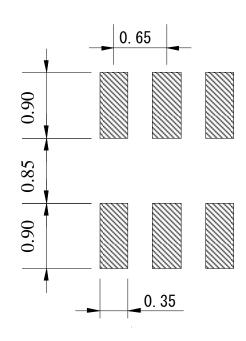
■ Diplexer (FI 212P Series)

Electrodes pattern



Line width be designed to match 50ohm characteristic impedance.

Resist pattern (aperture size)



Unit: mm

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