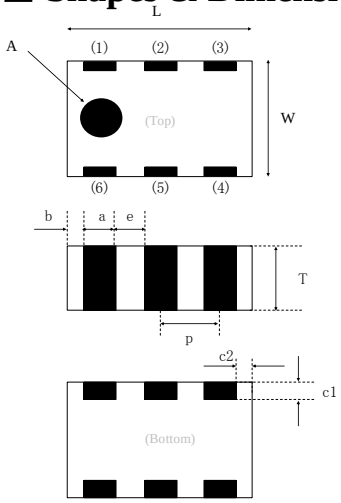
Diplexer for LTE (High Attenuation type)

FI 212P082934-T

■ Electrical Characteristics

	Condition		Specification	Measured Data Ta=+25degC	Note
Low Band	Pass band frequency		698 - 960 MHz	←	
	Insertion Loss at Pass band	Pass band	-	0.35dB	NTC
			0.50dB Max. (-40~+85deg-C)	-	ETC
	V.S.W.R	Pass band	1.4 Max	1.2	
	Attenuation	1554-1580MHz	15.0dB Min.	17dB	NTC
			10.0dB Min.	-	ETC
		1710-2110MHz	25.0dB Min.	29dB	
		2110-2155MHz	25.0dB Min.	30dB	
		2155-2690MHz	25.0dB Min.	30dB	
		2155-7830MHz	12.0dB Min.	23dB	
	Impedance	Common Port	50 ohm	-	
		Low Band Port	50 ohm	-	
High Band	Pass band frequency 1		1710 - 2170 MHz	←	
	Pass band frequency 2		2500 - 2690 MHz	←	
	Insertion Loss at Pass band	Pass band 1	-	0.32dB	NTC
			0.50dB Max. (-40~+85deg-C)	-	ETC
		Pass band 2	-	0.29dB	NTC
			0.55dB Max. (-40~+85deg-C)	-	ETC
	V.S.W.R	Pass band 1	1.4 Max	1.2	
		Pass band 2	1.8 Max	1.5	
	Attenuation	0.3-960MHz	17.0dB Min.	20dB	
	Impedance	Common Port	50 ohm	-	
		High Band Port	50 ohm	-	
Isolation		698-960MHz	17.0dB Min.	20dB	
		1710-2690MHz	25.0dB Min.	29dB	

■ Shapes & Dimensions

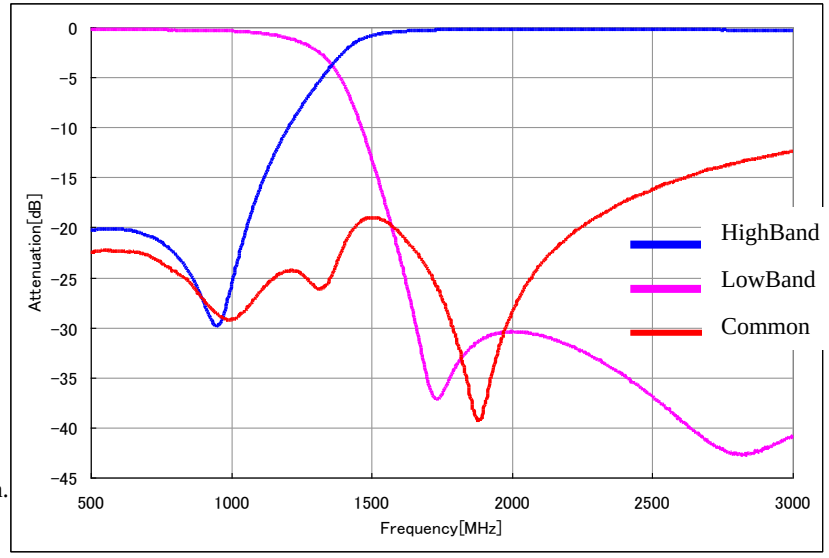


Terminal	
①	Low Band
②	GND
③	High Band
④	GND
⑤	Common
⑥	GND

Mark	Marking
A	Directional Input Mark

Mark	Dimension	Mark	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	e	0.35 +/−0.20
a	0.30 +/−0.20	p	0.65 +/−0.20
b	0.20 +/−0.15		

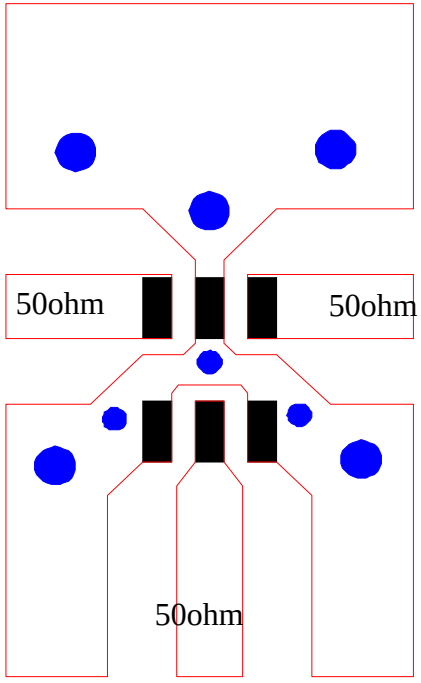
■ Actual Data



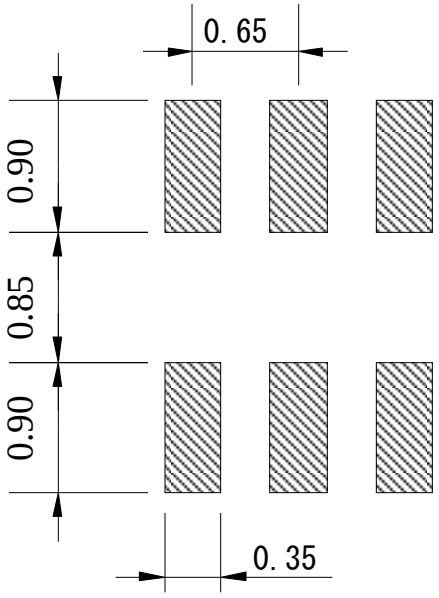
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
Before making final selection, please check product specification

The Example of a Land Pattern

Electrodes pattern



Resist pattern (aperture size)



Line width be designed to
match 50ohm characteristic impedance.

Unit : mm