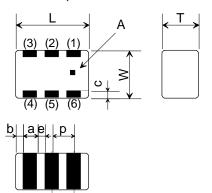


DUAL BAND DIPLEXER

1. Characteristics (at -40 ~+85°C)

Part Number			LFD212G45DS3D345	
Page Rand Range		f1	2450.00 ± 50.00MHz	
Pass Band Range		f2	5500.00 ± 350.00 MHz	
	P2-P3	in f1	2.40 max.(at 25 °C)	
Insertion Loss (dB) Attenuation (dB)	F2-F3		2.60 max. (at -40 ~ +85 °C)	
	D4 D2	: (0	1.20 max.(at 25 °C)	
	P1-P3	in f2	1.40 max. (at -40 ~ +85 °C)	
		824 - 915	28.0 min.	
		1545 - 1610	28.0 min.	
	P2-P3	1710 - 1990	24.0 min.	
	P2-P3	2110 - 2170	18.0 min.	
		4800 - 5000	27.0 min.	
		7200 - 7500	20.0 min.	
		1545 - 1610	25.0 min.	
	P1-P3	2400 - 2500	25.0 min.	
		10300 - 11700	20.0 min.	
	P1	in f2	2.00 max.	
	P2	in f1	2.00 max.	
V.S.W.R.	D2	in f1	2.00 max.	
	P3	in f2	2.00 max.	
Power Capacity			1 W max.	

2. Construction, Dimensions & Marking



Mark	Meaning		
A	Directional Input Mark		
	(in	mm)	
_			

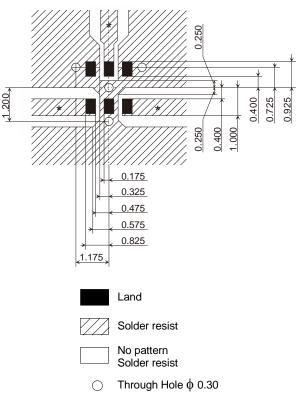
_						
Γ	Mark	Dimension	Mark	Dimension	Mark	Dimension
Γ	L	2.00±0.15	а	0.30±0.15	е	0.35±0.10
Γ	w	1.25±0.10	b	0.20±0.15	р	0.65±0.05
Γ	Т	1.00max.	С	0.30±0.20	-	-

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(4)	P1 (*1)
(2)	P3 (*3)	(5)	GND
(3)	GND	(6)	P2 (*2)

- (*1) Higher Frequency Port
- (*2) Lower Frequency Port
- (*3) Common Port

3. Land Pattern



*Line width to be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

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- Undersea equipment. - Power plant control equipment

- Medical equipment. - Transportation equipment (vehicles, trains, ships, elevator, etc.).

- Traffic signal equipment. - Disaster prevention / crime prevention equipment.

- Burning / explosion control equipment

- Application of similar complexity and/ or reliability requirements to the applications listed in the above.

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