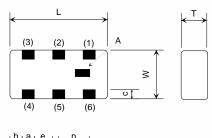


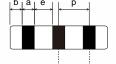
DUAL BAND DIPLEXER

1. Characteristics (at -40 ~+85°C)

Part Number			LFD182G45MJ6D431		
Pass Band Range		f1	2450.00 ± 50.00MHz		
Pass band Range		f2	5425.00 ± 525.00 MHz		
	P1-P3	in f1	0.55 max.(at 25 °C)		
Insertion Loss (dB)	F 1-F3		0.60 max. (at -40 ~ +85 °C)		
	D0 D0	in f2	0.70 max.(at 25 °C)		
	P2-P3		0.80 max. (at -40 ~ +85 °C)		
Attenuation (dB)	P1-P3	4800 – 4992	29.0 min.		
	P1-P3	7200 – 7488	24.0 min.		
		30 – 2700	32.0 min.		
	P2-P3	9800 – 11900	15.0 min.		
		14700 - 17850	11.0 min.		
	P1	in f1	1.80 max.		
VCWD	P2	in f2	1.80 max.		
V.S.W.R.	Do	in f1	1.80 max.		
	P3	in f2	1.80 max.		
la alatia (JD)	D4 D2	30 – 2700	32dB min.		
Isolation (dB)	P1 – P2	in f2	28dB min.		
Power Capacity			2W max.		

2. Construction, Dimensions & Marking





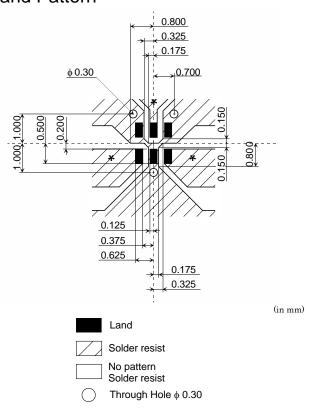
					(ш шш)
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6 ± 0.1	a	0.2 ± 0.1	е	0.3 ± 0.1
w	0.8 ± 0.1	b	0.20 ± 0.15	р	0.50 ± 0.05
m	0.7	_	0.15 0.10		

Meaning
Directional Input Mark

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name	
(1)	GND	(4)	Lower Frequency Port (P1)	
(2)	Common Port (P3)	(5)	GND	
(3)	GND	(6)	Higher Frequency Port (P2)	

3. Land Pattern



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

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- Burning / explosion control equipment

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

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