

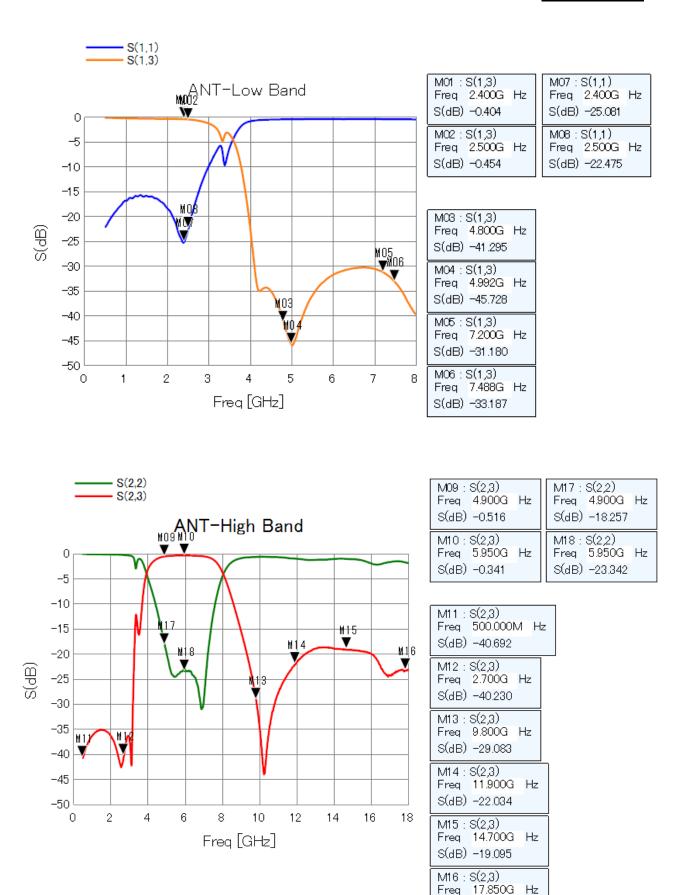
DUAL BAND DIPLEXER

1. Characteristics (at -40 ~+85°C)

Part Number			LFD182G45MJ6D922	
<low band=""></low>				
Pass Band Range		f1	2450.00 ± 50.00MHz	
Insertion Loss(dB)	ANT-LB	in f1	0.60 max at 25°C 0.65 max at -40~ +85°C	
Attancetion (dD)	ANTID	4800.00-4992.00	32.0 min.	
Attenuation (dB)	ANT-LB	7200.00–7488.00	24.0 min.	
VSWR	LB	in f1	1.80 max.	
	ANT	in f1	1.80 max.	
		<high band=""></high>		
Pass Band Range	f2		5425.00 ± 525.00 MHz	
Insertion Loss(dB)	ANT-HB	in f2	0.70 max at 25°C 0.80 max at -40~ +85°C	
	ANT-HB	30.00–2700.00	32.0 min.	
Attenuation (dB)		9800.00-11900.00	15.0 min.	
		14700.00-17850.00	11.0 min.	
1/014/D	HB	in f2	1.80 max.	
VSWR	ANT	in f2	1.80 max.	
		_		
Inclotion (dP)	LDLID	30.00–2700.00	32.0 dB min.	
Isolation (dB)	LB-HB	in f2	28.0 dB min.	
Power Capacity		2 W max		

LB : Low Band Port HB : High Band Port ANT : Common Port



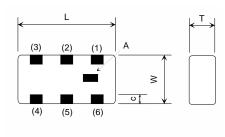


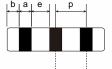
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S(dB) -23.214



2. Construction, Dimensions & Marking





Mark	Meaning		
A	Directional Input Mark		
		(in mn	

Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6 ± 0.1	а	0.2 ± 0.1	е	0.3 ± 0.1
w	0.8 ± 0.1	b	0.20 ± 0.15	р	0.50 ± 0.05
т	0.7 max.	c	0.15 ± 0.10		

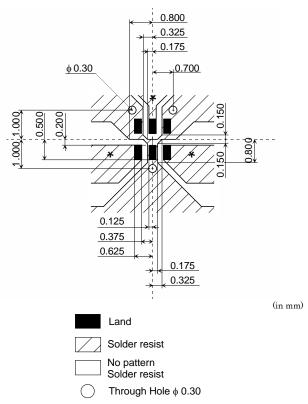
TERMINAL CONFIGURATION

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

P1: Lower Frequency Port P2: Higher Frequency Port

P3 : 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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- Burning / explosion control equipment

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