

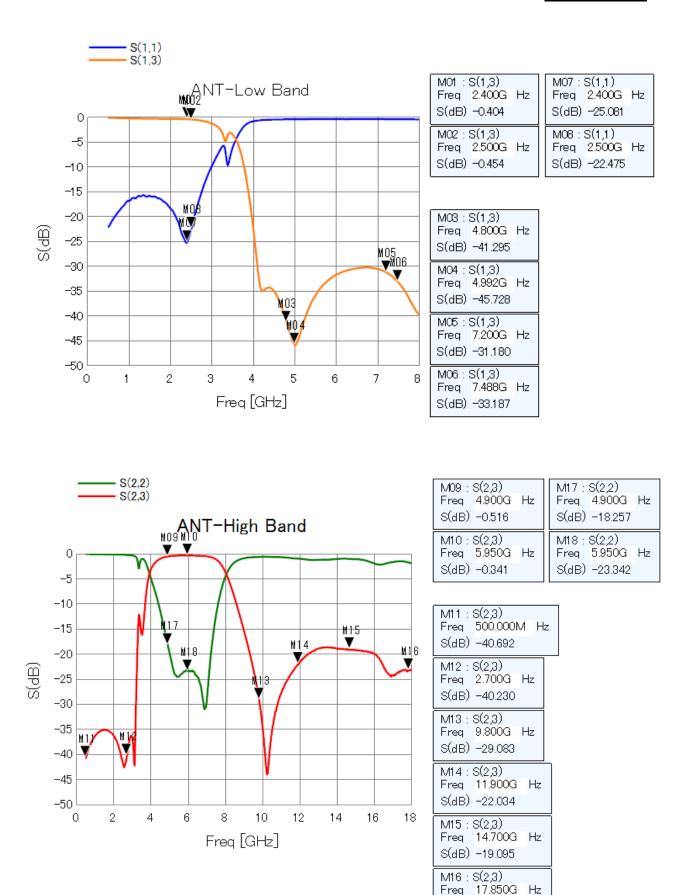
DUAL BAND DIPLEXER

1. Characteristics (at -40 ~+85°C)

Part Number			LFD182G45MJ6D922	
<low band=""></low>				
Pass Band Range	inge 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	
Attenuation (dB)	ANT-LB	4800.00-4992.00	32.0 min.	
		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.	
) (O) (A) (D	HB	in f2	1.80 max.	
VSWR	ANT	in f2	1.80 max.	
		_		
Leader (Const. (LD)	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



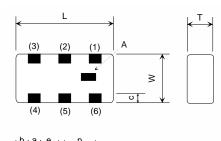


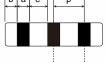
All the technical data and Information contained herein are subject to change without prior notice.

S(dB) -23.214



2. Construction, Dimensions & Marking





Mark	Meaning	
A	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.	С	0.15 ± 0.10	-	-

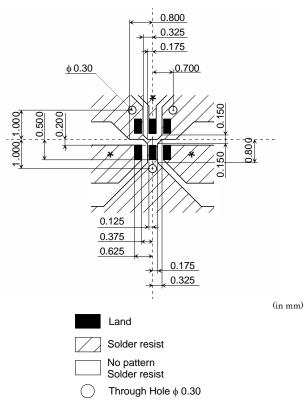
TERMINAL CONFIGURATION

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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All the items and parameters in this product specification/datasheet/catalog have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment specified in this specification. You are requested not to use our product deviating from the condition and the environment specified in this specification.

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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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