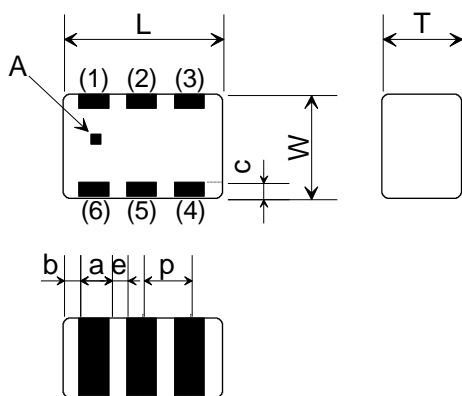


DUAL BAND DIPLEXER

1. Characteristics (at -40 to +85 °C)

Part Number			LFD21892MDPFC065
Pass Band Range	f1		1940.00 ± 230.00 MHz
	f2		887.00 ± 73.00 MHz
	f3		748.00 ± 50.00 MHz
Insertion Loss (dB)	P1 - P3	in f1	0.45 dB max. (at 25 °C) 0.55 dB max. (at -40 to +85 °C)
	P2 - P3	in f2,f3	0.27 max. (at 25 °C) 0.32 max. (at -40 to +85 °C)
Attenuation (dB)	P2 - P3	in f1	13.0 min.
	P1 - P3	in f2	19.0 min.
		in f3	16.0 min.
V.S.W.R.	P1	in f1	1.70 max.
	P2	in f2,f3	1.50 max.
	P3	in f1	1.70 max.
		in f2,f3	1.50 max.
Power Capacity			3.0 W max.

2. Construction, Dimensions & Marking 3. Land Pattern



Mark	Meaning
A	Directional Input Mark

(in mm)

Mark	Dimension	Mark	Dimension	Mark	Dimension
L	2.00±0.15	a	0.30+0.10/-0.15	e	0.35±0.10
W	1.25±0.10	b	0.20±0.15	p	0.65±0.05
T	1.0 max.	c	0.3+0.1/-0.2	-	-

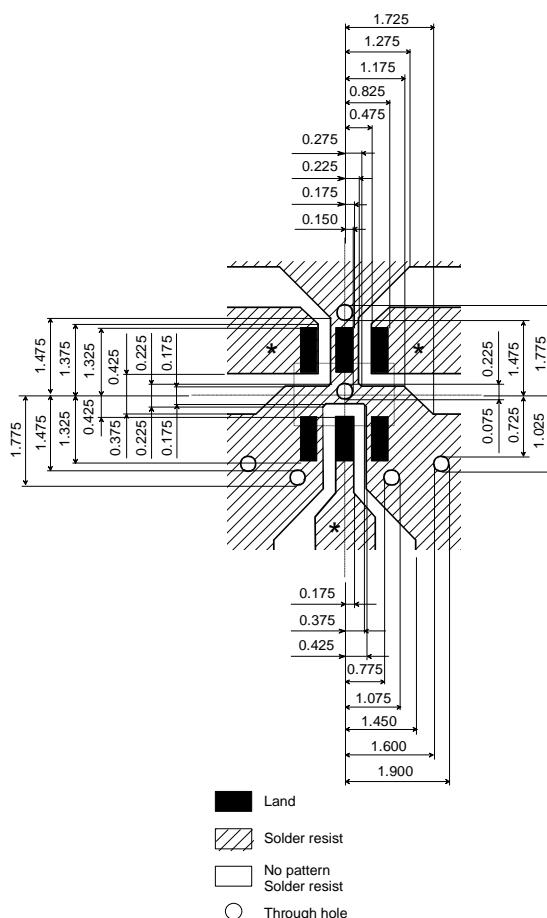
TERMINAL CONFIGURATION

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

(*1) Lower Frequency Port

(*2) Higher Frequency Port

(*3) Common Port



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

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



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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.

Please note that the only warranty that we provide regarding the products is its conformance to the specifications provided herein. Accordingly, we shall not be responsible for any defects in products or equipment incorporating such products, which are caused under the conditions other than those specified in this specification.

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- Undersea equipment.
- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.
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