

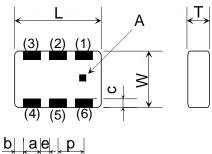
2.4/5GHz LPF/BPF type Diplexer

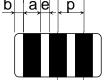
1. Characteristics (at -40 ~ + 85 °C)

Part Number		LFD212G45DCZR607				
Door Bond Bongs	Low Band (f1)	2450.00 ± 50.00 MHz				
Pass Band Range	High Band (f2)	5425.00 ± 525.00 MHz				
<low band=""> 2.4G, at -40 °C ~ +85 °C</low>						
Insertion Loss	ANT - LowBand (f1)	at 25 °C	0.45 dB max.			
		at -40 ~ + 85 °C	0.55 dB max.			
Ripple	ANT - LowBand (f1)	0.30 dB max.				
V.S.W.R.	LowBand (f1)	1.80 max.				
Attenuation	ANT - LowBand	4800.00 ~ 6000.00 MHz	20.0 dB min.			
		7200.00 ~ 7500.00 MHz	20.0 dB min.			
<high band=""> 5G, at -40 °C ~ +85 °C</high>						
Insertion Loss	ANT - HighBand (f2)	at 25 °C	0.85 dB max.			
		at -40 ~ + 85 °C	0.95 dB max.			
Ripple	ANT - HighBand (f2)	0.40 dB max.				
V.S.W.R.	HighBand (f2)	2.20 max.				
Attenuation	ANT - HighBand	1800.00 ~ 2500.00 MHz	25.0 dB min.			
		9800.00 ~ 11900.00 MHz	15.0 dB min.			
<ant port=""> at -40 °C ~ +85 °C</ant>						
V.S.W.R	ANT (f1)	1.80 max.				
	ANT (f2)	2.20 max.				
Power Capacity (ANT - High Band, ANT - Low Band)		1.0 W max.				



2. Construction, Dimensions & Marking





Mark	Meaning	
A	Directional Input Mark	
	(in mm)	

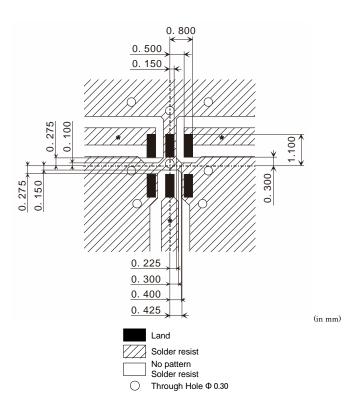
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	2.00±0.15	а	0.30±0.15	е	0.35±0.10
W	1.25±0.10	b	0.20±0.15	р	0.65±0.05
Т	0.5max.	С	0.30±0.20	-	-

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

3. Land Pattern



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





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- Power plant control equipment
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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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