

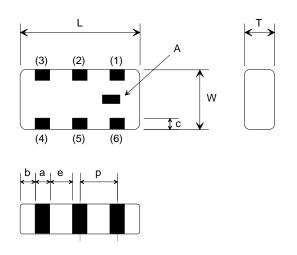
Balance Matching BAND PASS FILTER

1. Characteristics (at -40 ~ +85 °C)

Part Number	LFB182G45BG4D729		
Unbalance Port Impedance (Nominal)	50 Ω		
Balance Port Impedance (Nominal)	Conjugate match to Nordic nRF51xx series(QFN)		
Frequency Range (BW)	2440.00 ± 40.00 MHz		
Insertion Loss in BW	2.50 dB max. at 25 °C 2.70 dB max. at -40 ~ +85 °C		
Attenuation (Absolute value)	3.00 dB min. at 2790.00 ~ 2800.00 MHz 10.50 dB min. at 2900.00 MHz 8.00 dB min. at 2940.00 ~ 2950.00 MHz 19.50 dB min. at 4800.00 ~ 4960.00 MHz 26.00 dB min. at 7200.00 ~ 7440.00 MHz		
Unbalance Port V.S.W.R. in BW	3.10 max.		
Balance Port V.S.W.R. in BW	2.70 max.		
Amplitude Balance (dB)	3.00dB max.		
Phase Differential (deg)	180 ± 21.0 deg.		
Power Capacity	500 mW max.		

2. Construction, Dimensions & Marking

3. Land Pattern



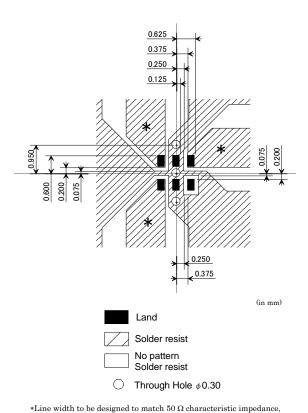
Mark	Meaning			
Α	Directional Input Mark			
		(in mm)		

(in mi					(in mm)
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6±0.1	а	0.2±0.1	e	0.3±0.1
W	0.8±0.1	b	0.20+0.10/-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)	Unbalance Port	(4)	Balance Port				
(2)	GND	(5)	GND(DC feed)				
(3)	Balance Port	(6)	NC				

^{*} Terminal of " NC "should be fixed to the no connected pattern.



depending on PCB material and thickness.

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

No. CD729-01





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

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