

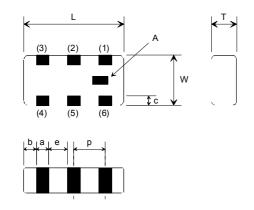
Balance Matching BAND PASS FILTER

1. Characteristics (at -40~+85 °C)

Tentative Part Number	LFB182G45BG7D948	
Unbalance Port Impedance (Nominal)	50 Ω(Nominal)	
Balance Port Impedance (Nominal)	Conjugate match to Nordic nRF51xx	
	series(CSP)	
Center Frequency	2450.00 MHz	
Frequency Range (BW)	2450.00 ± 50.00 MHz	
Insertion Loss in BW	2.90 dB max. at 25 °C	
	3.25 max. at -40 ~ +85 °C	
Attenuation (Absolute value)	2.3 dB min. at 2800.00 MHz	
	29.0 dB min. at 4800.00 ~ 5000.00 MHz	
	14.0 dB min. at 7200.00 ~ 7500.00 MHz	
Unbalance Port V.S.W.R.in BW.	3.6 max.	
Balance Port V.S.W.R.in BW	3.1 max.	
Amplitude Balance	3.0 dB max	
Phase Differency	180+/-16.5 deg.	
Power Capacity	500 mW max.	

2. Construction, Dimensions & Marking

3. Land Pattern



Meaning Directional Input Mark

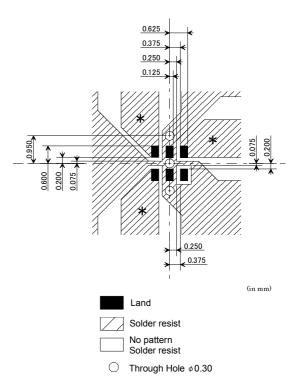
					(in mm)
Mark	Dimension	Mark	Dimension	Mark	Dimension
L	1.6±0.1	а	0.2±0.1	е	0.3±0.1
W	0.8±0.1	Ъ	0.20+0.10/-0.15	р	0.50±0.05

TERMINAL CONFIGURATION

Mark

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	Unbalance Port	(4)	Balance Port
(2)	GND(DC feed)	(5)	GND
(3)	Balance Port	(6)	NC

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



*Line width to be designed to match 50 Ω 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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- Power plant control equipment
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ИНН 7805602321 КПП 780501001 P/C 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 3010181090000000703 БИК 044030703

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
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- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Входной контроль качества.
- Наличие сертификата ISO.

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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