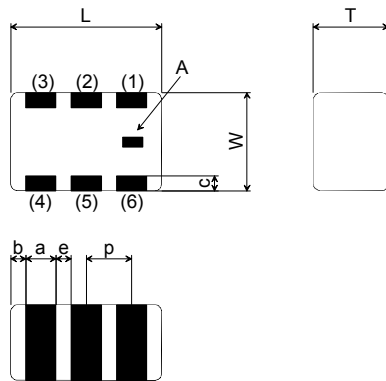


## Balance Matching BAND PASS FILTER

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

Tentative Part Number	LFB182G45BG5D920
Unbalance Port Impedance (Nominal)	50 Ω
Balance Port Impedance (Nominal)	Conjugate match to TI CC26xx
Frequency Range (BW)	2450.00 ± 50.00 MHz
Insertion Loss in BW	1.60 dB max. at 25 °C 1.80 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	25 dB min. at 4800.00 ~ 5000.00 MHz 25 dB min. at 7200.00 ~ 7500.00 MHz
Unbalance Port V.S.W.R. in BW	2.40 max.
Balance Port V.S.W.R. in BW	2.40 max.
Amplitude Balance	2.3 dB max
Phase Differency	180+/-18.0 deg.
Power Capacity	500 mW max.

### 2. Construction,Dimensions&Marking 3. Land Pattern



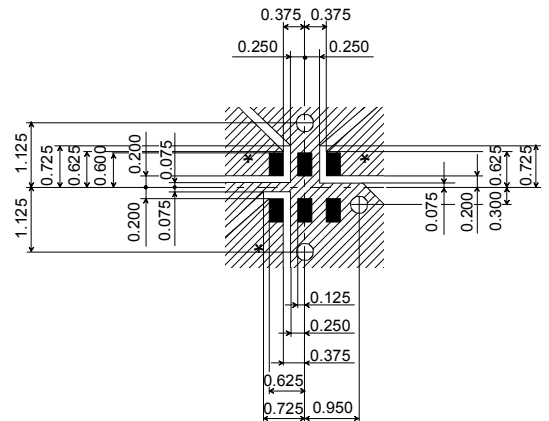
(in mm)

Mark	Meaning
A	Directional Input Mark

Mark	Dimension	Mark	Dimension
L	1.6±0.1	b	0.20+0.10/-0.15
W	0.8±0.1	c	0.15±0.10
T	0.65 max.	e	0.3±0.1
a	0.2±0.1	p	0.50±0.05

#### TERMINAL CONFIGURATION

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



(in mm)

- Land
- ▨ Solder resist
- No pattern Solder resist
- Through Hole φ 0.30

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

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