

BAND PASS FILTER (Preliminary)

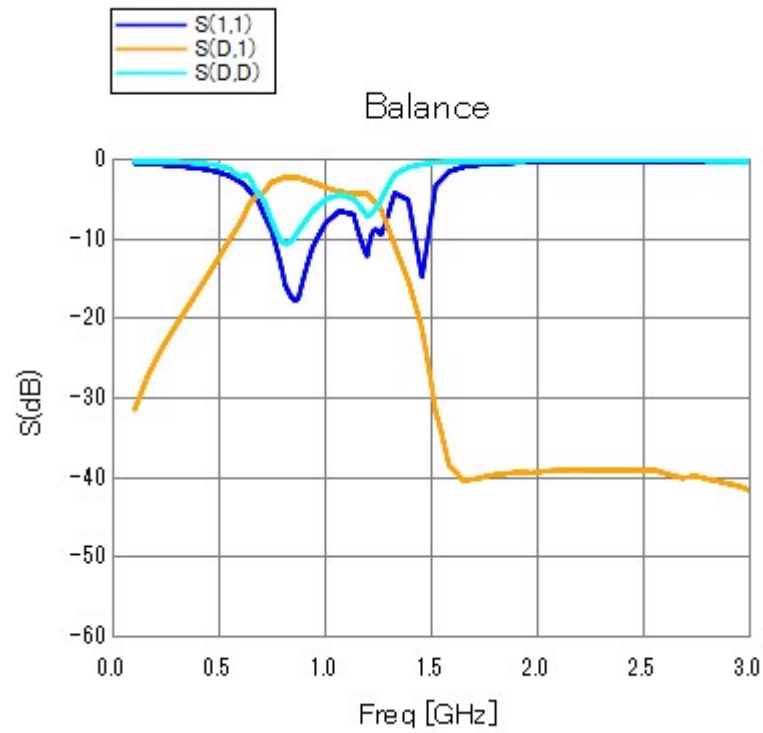
1. Characteristics (at -40 ~ +85°C)

Part Number	LFB21868MDZ5E757
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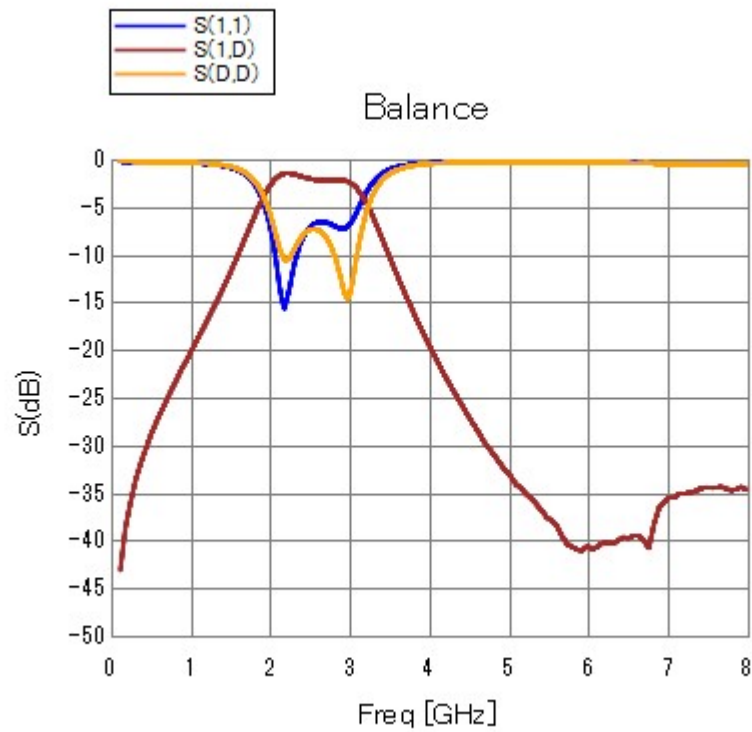
Pass Band Range	f1	863.00 - 870.00 MHz
	f2	2402.00 - 2480.00 MHz

	Frequency		
Insertion Loss(dB)	ANT - LB	f1	2.6 dB max.
	ANT - HB	f2	1.9 dB max.
Attenuation (dB)	ANT - LB	1726.00-1740.00 @f1	28.0 dB min.
		2589.00-2610.00 @f1	23.0 dB min.
	ANT - HB	4804.00-4960.00 @f2	23.0 dB min.
		7206.00-7440.00 @f2	24.0 dB min.
Return Loss (dB)	ANT - LB	f1 (Unbalance)	-9.88 dB
		f1 (Balance)	-9.88 dB
	ANT - HB	f2(Unbalance)	-8.88 dB
		f2 (Balance)	-9.88 dB
Unbalance Port Impedance	-		50 Ω(Nominal)
Balance Port Impedance	Conjugate match TI CC1352		

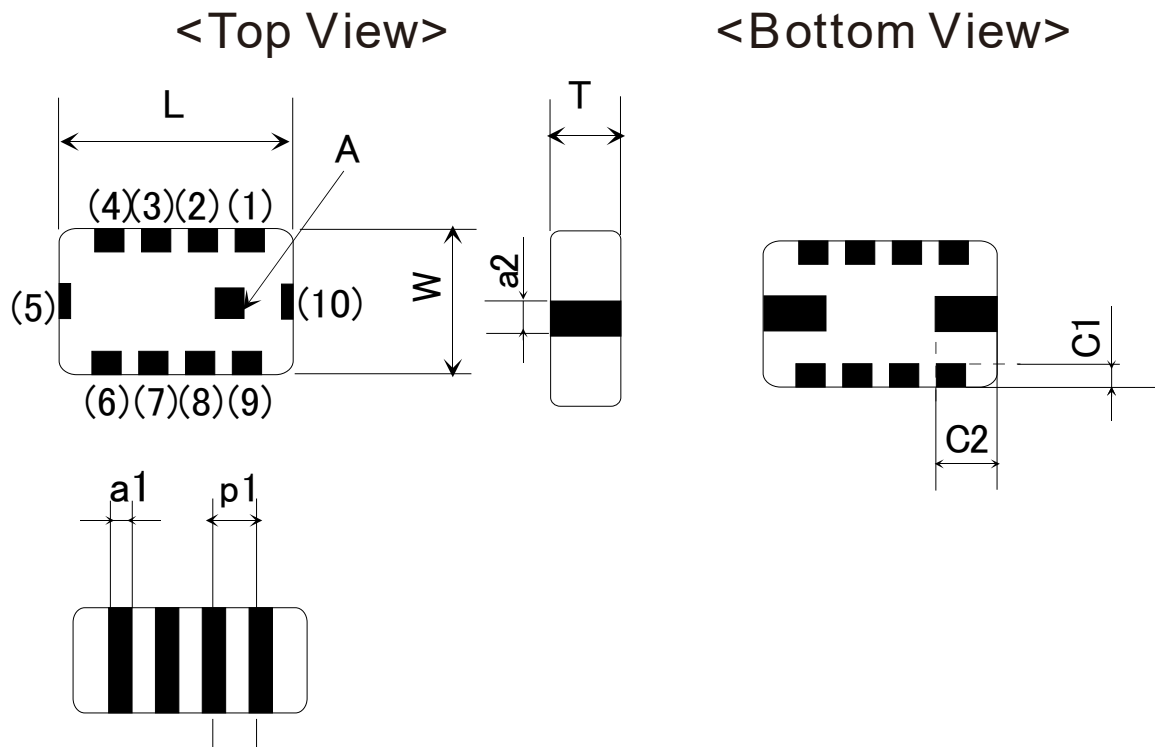
【LB Spara data】



【HB spara data】



2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

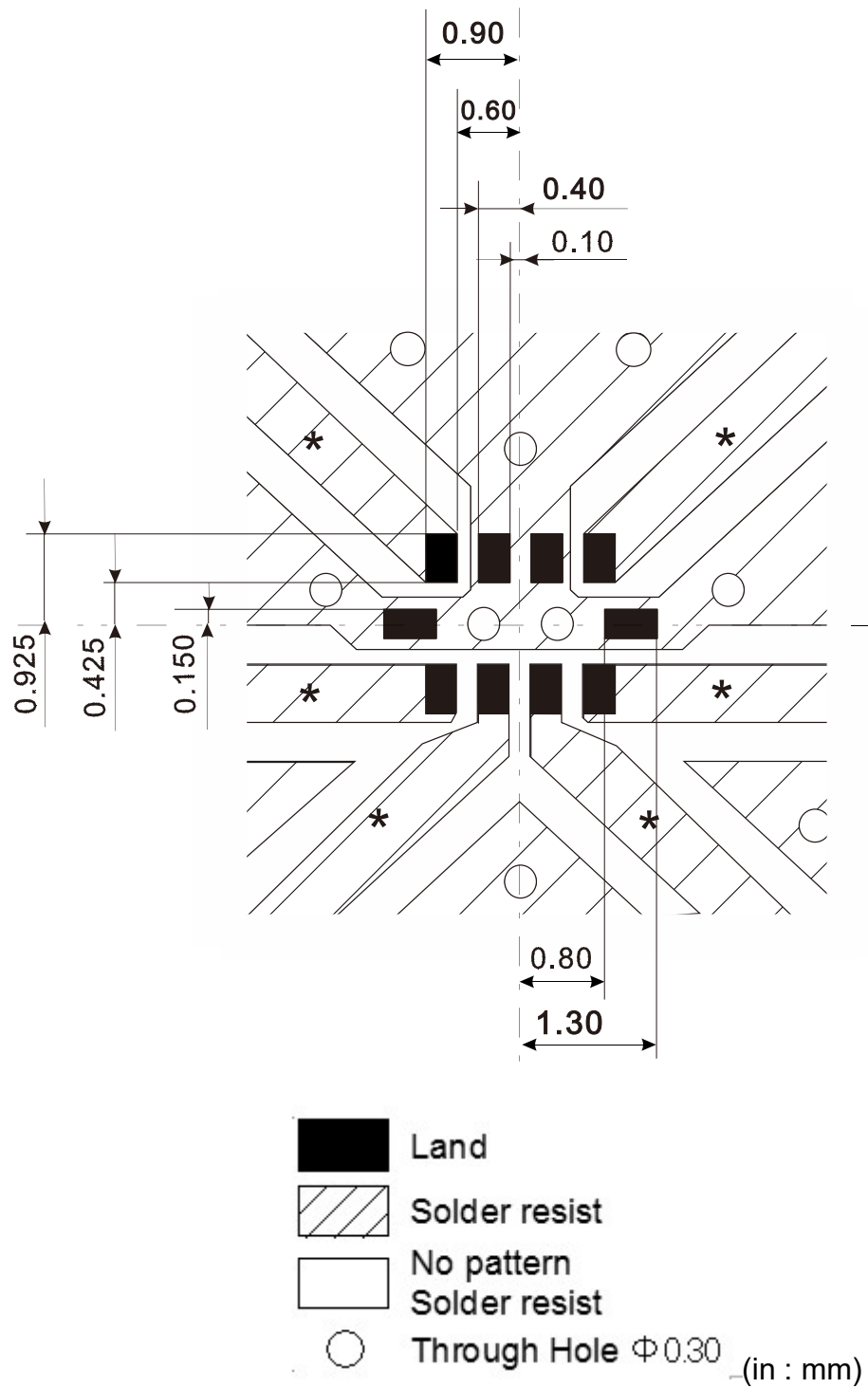
(in mm)

Mark	Dimension	Mark	Dimension
L	2.00±0.15	a2	0.125±0.100
W	1.25±0.15	c1	0.20±0.15
T	0.7max	c2	0.40±0.15
a1	0.25±0.10	p1	0.50±0.15

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	2G ANT	(6)	SUB-1G_N
(2)	GND	(7)	SUB-1G_P
(3)	GND	(8)	2G_N
(4)	SUB-1G ANT	(9)	2G_P
(5)	DC-Feed or GND	(10)	GND

3. Land Pattern



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

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- Traffic signal equipment.
- Burning / explosion control equipment
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