

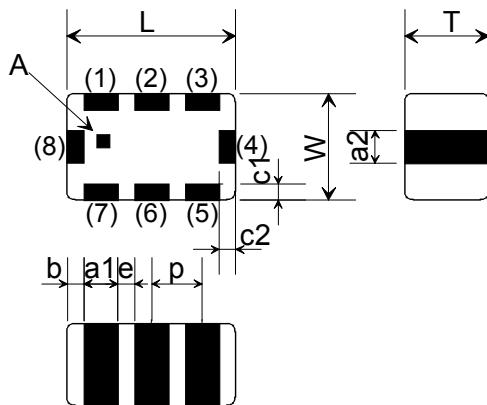
LOW PASS FILTER (Preliminary)

1. Characteristics (at -40 ~ + 85 °C)

Part Number	New Name	LFL21915MTC1A027
	Old Name	LFTC15N19E0915B
Nominal Characteristics Impedance		50 Ω
Nominal Center Frequency		915.00 MHz
Pass Band Range (BW)		$f_o \pm 13.00$ MHz
Insertion Loss in BW		0.47 dB max. at 25 °C 0.50 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)		30.0 dB min. at $2 \times f_o$ MHz 30.0 dB min. at $3 \times f_o$ MHz
V.S.W.R. in BW		1.50 max.
Power Capacity		3.0 W max.

2. Construction,Dimensions&Marking

3. Land Pattern



Mark	Meaning
A	Directional Input Mark

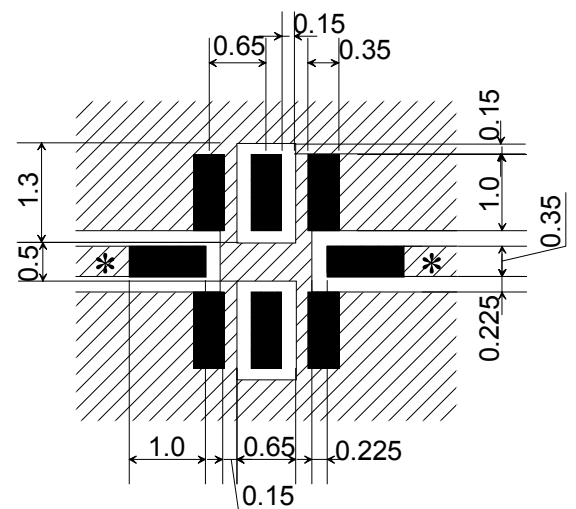
(in mm)

Mark	Dimension	Mark	Dimension	Mark	Dimension
L	2.00±0.15	a2	0.30+0.10/-0.15	e	0.35±0.10
W	1.25±0.10	b	0.20±0.15	p	0.65±0.05
T	0.95±0.10	c1	0.3+0.1/-0.2		
a1	0.30+0.10/-0.15	c2	0.3+0.1/-0.2		

TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	GND	(5)	GND
(2)	NC	(6)	NC
(3)	GND	(7)	GND
(4)	OUT	(8)	IN

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



(in mm)

	Land
	Solder resist
	No pattern Solder resist

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

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