

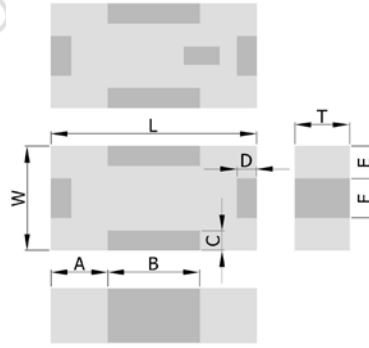
## PRODUCT FEATURES

1. Surface mount low pass filter with a small size of 1.6 X 0.8 X 0.5 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

## RF CHARACTERISTICS

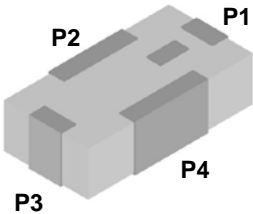
P/N LP5900M0805AT	Specification
Frequency range	4900 - 5950 MHz
Insertion Loss	0.6 dB max (25°C)
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	25 dB@ 9800 MHz
	30 dB@ 11900 MHz
	20 dB@ 17850 MHz (reference)
Operating temperature range	-40°C to +85°C

## PHYSICAL DIMENSIONS



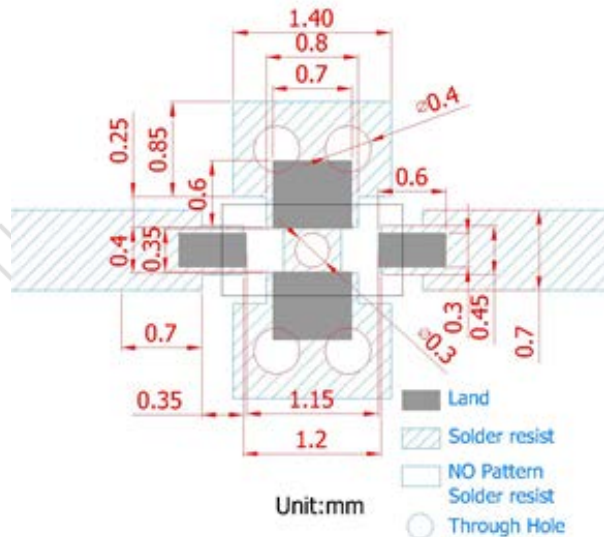
Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.50 ± 0.10
A	0.45 ± 0.15
B	0.70 ± 0.15
C, D	0.20 ± 0.15
E	0.25 ± 0.15
F	0.30 ± 0.15

## TERMINAL CONFIGURATION



PIN	Definition
P1	Input
P2	GND
P3	Output
P4	GND

## PCB DESIGN/LAYOUT CONSIDERATION



**Note:**

- Design trace width to be 50Ω impedance.



## Typical RF Performance

