

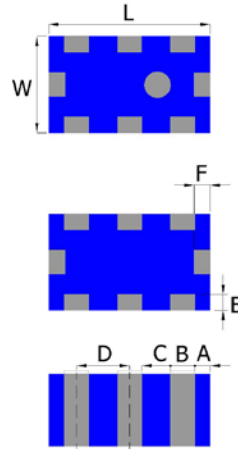
PRODUCT FEATURES

1. Surface mount low pass filter with a small size of 2.00 X 1.25 X 0.90 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

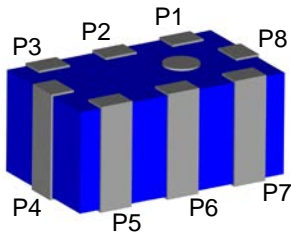
P/N LP5900E0805AT	Specification
Frequency range	4900-5900 MHz
Insertion Loss (max)	-0.55 dB at 25 °C -0.65 dB -40°C to +85°C
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	-30dB @ 9.80 GHz -30dB @ 11.8 GHz -20dB @ 17.55GHz (reference)
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ± 0.10
T	0.90 ± 0.10
A, F	0.20 ± 0.10
B, G	0.30 ± 0.10
C	0.35 ± 0.10
D	0.65 ± 0.10
E	0.25 ± 0.10

TERMINAL CONFIGURATION



PIN	Definition	PIN	Definition
P1	GND	P5	GND
P2	GND	P6	GND
P3	GND	P7	GND
P4	Output	P8	Input

PCB DESIGN/LAYOUT CONSIDERATION

Figure	Symbol	Dimension (mm)
	L	2.00 ± 0.10
	A	1.00 ± 0.10
	B	1.30 ± 0.10
	L1	1.40 ± 0.10
	A1	0.30 ± 0.10
	B1	0.35 ± 0.10
	W1	0.20 ± 0.10
	W2	0.30 ± 0.10
Φ	0.40 ± 0.10	



Typical RF Performance

