

High Performance Low Pass Filter



LP0805H2900ASTR



ITF TECHNOLOGY

The ITF SMD Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly. The ITF Filter is offered in a variety frequency bands compatible with various types of high frequency wireless systems.

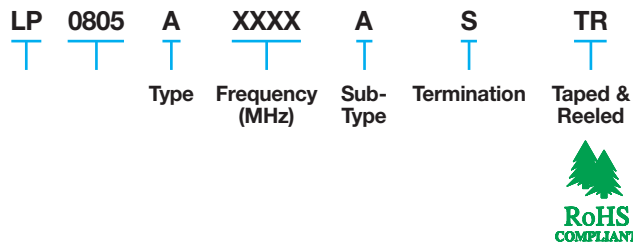
FEATURES

- Small size: 0805
- Frequency: 1700 – 3500MHz
- Characteristic impedance: 50Ohm
- Operating/Storage temp: -40°C – +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 4W

APPLICATIONS

- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN's

HOW TO ORDER



FINAL QUALITY INSPECTION

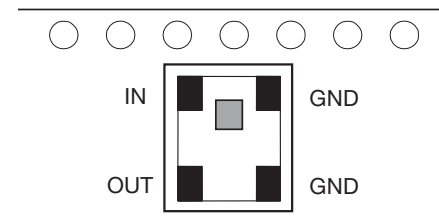
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance: 125°C, I_R, 4 hours

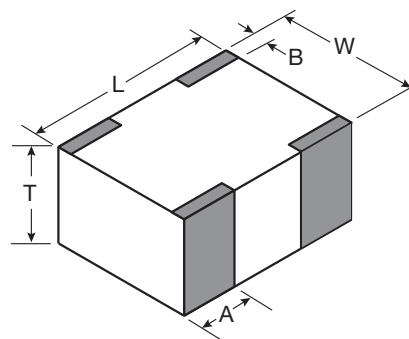
TERMINATION

Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

ORIENTATION IN TAPE



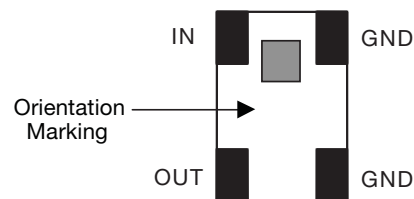
DIMENSIONS (Top View)



mm (inches)

L	2.03±0.10 (0.080±0.004)
W	1.55±0.10 (0.061±0.004)
T	0.80±0.25 (0.031±0.010)
A	0.56±0.10 (0.022±0.004)
B	0.35±0.15 (0.014±0.006)

TERMINALS AND LAYOUT (Top View)



High Performance Low Pass Filter



LP0805H2900ASTR

ELECTRICAL CHARACTERISTICS

Part Number	Frequency (MHz)	I.Loss	Attenuation (dB)
LP0805H2900ASTR	1700-2900	-0.95dB max.	-20dB at 3400-4300MHz -25dB at 4300-5100MHz -27dB at 5100-6000MHz -35dB at 6100-6400MHz

TYPICAL ELECTRICAL PERFORMANCE

