

LSM5247 Surface Mount Inductor



FEATURES

- ◇ UL class B materials.
- ◇ Wide inductance range.
- ◇ Solderability per industry standards.
- ◇ Low DC resistance.

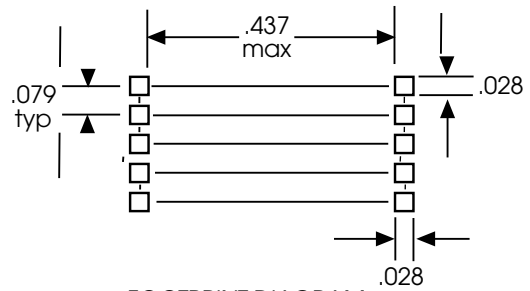
CHARACTERISTICS

INDUCTANCE RANGE: From .15mh to 68mh.

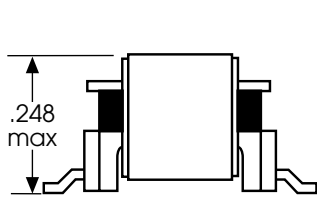
TEMPERATURE RANGE: From -20°C to +130°C.

NOTES:

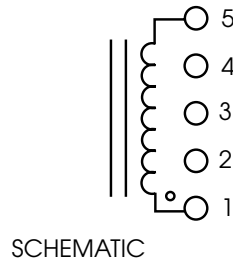
- (1) *DC current that will create a maximum temp. rise of 30°C when applied at + 25°C ambient.
- (2) **DC current that will typically reduce the initial inductance by 20%.
- (3) Packaging: Bulk or Tape and Reel.



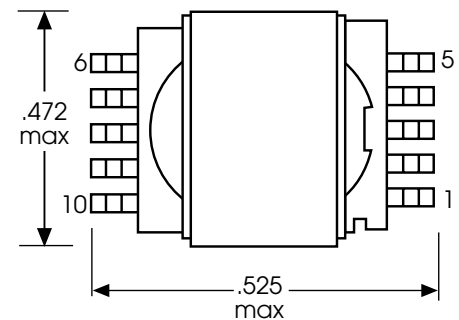
FOOTPRINT DIAGRAM



- 6 ○
- 7 ○
- 8 ○
- 9 ○
- 10 ○



SCHEMATIC



Part Number	Inductance (mH ± 30%)	DCR (Ω) Max	Rated DC Current Max (mA)*	Saturated Current (A)**
LSM5247-150	0.15	0.200	0.790	0.075
LSM5247-221	0.22	0.240	0.720	0.062
LSM5247-221	0.22	0.290	0.650	0.050
LSM5247-471	0.47	0.350	0.590	0.042
LSM5247-681	0.68	0.420	0.540	0.035
LSM5247-102	1.0	0.510	0.490	0.029
LSM5247-152	1.5	0.630	0.440	0.024
LSM5347-222	2.2	0.760	0.400	0.020
LSM5247-332	3.3	1.000	0.350	0.018
LSM5247-472	4.7	2.240	0.240	0.013
LSM5247-682	6.8	2.700	0.210	0.011
LSM5247-103	10	3.270	0.190	0.009
LSM5247-153	15	6.260	0.140	0.008
LSM5247-223	22	7.580	0.130	0.006
LSM5247-333	33	9.500	0.110	0.005
LSM5247-473	47	18.500	0.080	0.004
LSM5247-683	68	24.100	0.070	0.003