

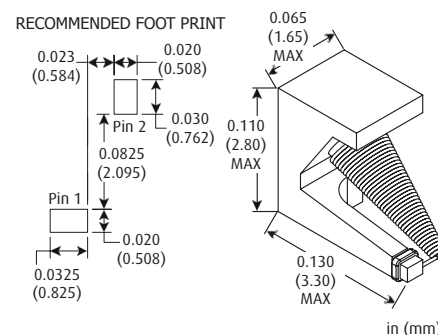
C100SMNL SERIES



Broadband Conical Surface Mount Inductor

Outgassing Tested per ASTM E595 (*)

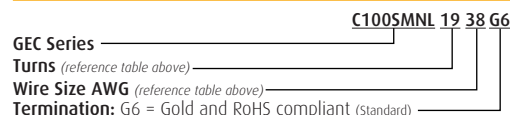
PART NUMBER	L μ H @ 10 MHz	DCR Ω NOM	CURRENT RATING mA DC	TURNS	WIRE SIZE AWG
POWDERED IRON CORE					
C100SMNL1938G6	0.20	0.10	655	19	38
C100SMNL2540G6	0.44	0.21	452	25	40
C100SMNL3142G6	0.58	0.47	302	31	42
C100SMNL3944G6	1.00	0.74	241	39	44
C100SMNL4947G6	1.54	1.70	140	49	47



NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Wire Type:** Copper
- **Weight MAX:** 0.0135 grams
- All non-tolerance and electrical data are reference only and based on nominal data
- Terminal is elongated to allow for soldering close to the tip of the coil
- Recommended that component is epoxied to substrate before reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- * Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E595; this calculation does not include WVR (Water Vapor Recovered)
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



TAPE AND REEL SPECS

Pieces/reel maximum:	600
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	7 in.