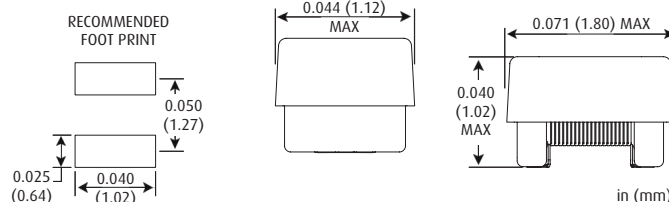


SMP0603 SERIES



Ceramic Surface Mount High-Current Chip Inductor

Outgassing Tested per ASTM E595 (*)



PART NUMBER	L nH	TEST FREQ MHZ	Q NOM	Q TEST FREQ MHZ	SRF MHZ REF	DCR Ω NOM	CURRENT RATING mA DC
CERAMIC CORE							
SMP0603-0018K	1.8	250	15	250	6000	0.010	3400
SMP0603-0036J	3.6	250	25	250	6000	0.010	3400
SMP0603-0039J	3.9	250	29	250	6000	0.010	3400
SMP0603-0047J	4.7	250	30	250	5400	0.010	3400
SMP0603-0068J	6.8	250	33	250	4600	0.010	3400
SMP0603-010J	10	250	39	250	4000	0.015	2800
SMP0603-012G	12	250	39	250	3200	0.020	2450
SMP0603-015G	15	250	40	250	3100	0.025	2200
SMP0603-018G	18	250	40	250	2600	0.025	2200
SMP0603-022G	22	250	42	250	2400	0.030	2000
SMP0603-027G	27	250	42	250	2400	0.040	1750

NOTES

- **Operating Temperature Range:** -40°C to +125°C
- **Current Rating** is based on a 65°C temperature rise at an ambient temperature of 60°C
- **Weight MAX:** < 0.05 grams
- Suitable for reflow soldering
- Flat top cover for pick and place
- * Meets a TML (Total Mass Loss) requirement of 1.0% maximum when testing 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

GEC Series ——— **SMP0603** ——— **-0018** **K**

Inductance: 2 signif. digits & mult. ———

ex: 010 = 10nH

Tolerance: M = 20%, K = 10%, J = 5%, G = 2% ———

(Table shows lowest standard tolerance option)
* Optional tolerances are available; contact factory

Termination: Gold Plated Nickel (Standard and RoHS compliant)

TAPE AND REEL SPECS

Pieces/reel maximum:	3000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.