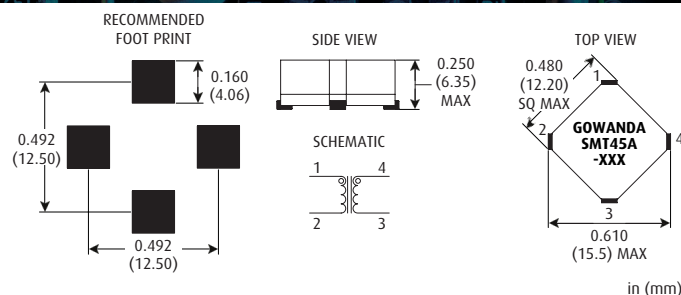


SMT45A SERIES



High Efficiency Dual Wound Toroidal Inductor

PART NUMBER	PARALLEL RATINGS				SERIES RATINGS			
	L μ H @ 100 kHz	DCR Ω NOM	I SAT A DC	CURRENT RATING A DC	L μ H @ 100 kHz	DCR Ω NOM	I SAT A DC	CURRENT RATING A DC
SMT45A-220	0.22	0.0026	22.50	12.20	0.88	0.0102	11.25	6.09
SMT45A-820	0.82	0.0034	15.00	10.60	3.28	0.0136	7.50	5.28
SMT45A-121	1.20	0.0045	11.25	9.23	4.80	0.0177	5.63	4.62
SMT45A-201	2.00	0.0054	9.00	8.38	8.00	0.0215	4.50	4.19
SMT45A-501	5.00	0.0073	6.43	7.21	20	0.0290	3.21	3.61
SMT45A-801	8.00	0.0130	4.50	5.49	32	0.0502	2.25	2.74
SMT45A-102	10	0.0170	4.09	4.67	40	0.0694	2.05	2.33
SMT45A-152	15	0.0260	3.46	3.87	60	0.1010	1.73	1.94
SMT45A-202	20	0.0290	3.00	3.62	80	0.1150	1.50	1.81
SMT45A-252	25	0.0410	2.65	3.02	100	0.1650	1.32	1.51
SMT45A-332	33	0.0610	2.25	2.49	132	0.2430	1.13	1.25
SMT45A-502	50	0.0890	1.88	2.05	200	0.3580	0.94	1.03
SMT45A-682	68	0.1310	1.61	1.70	272	0.5250	0.80	0.85
SMT45A-103	100	0.2010	1.32	1.37	400	0.8050	0.66	0.69
SMT45A-153	150	0.3130	1.07	1.10	600	1.25	0.54	0.55
SMT45A-203	200	0.4470	0.94	0.92	800	1.79	0.47	0.46
SMT45A-303	300	0.6750	0.76	0.75	1200	2.70	0.38	0.37



NOTES

- Operating Temperature Range:** -55°C to +125°C
- Current Rating** is based on a 40°C temperature rise at an ambient temperature of 85°C
- Saturation Current** is the approximate value that will reduce the initial inductance by 30%
- Weight Max:** 2.10 grams
- Marking:** GOWANDA; SMT45A-XXX (dash number) (see diagram above)
- High temperature case with fixed, coplanar, "J" style terminals
- Custom designs are available to meet your specific requirements; please contact factory
- Applications:** These are high efficiency toroidal chokes, 2 windings on one core. They can be used as single inductors or a 1:1 transformer. The coil windings can be connected in series or parallel depending on whether higher current or higher inductance is required. These also have a high efficiency core to minimize core loss and function at higher frequencies.

PART NUMBER DERIVATION

SMT45A - 220 LF

GEC Series ————

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

ex: 220 = 0.22 μ H, 121 = 1.2 μ H, 102 = 10 μ H, 103 = 100 μ H

Tolerance: All part numbers provide 25% tolerance on inductance

* Optional tolerances are available; contact factory

Termination: LF = RoHS, No Suffix = SnPB (Standard) ————

TAPE AND REEL SPECS

Pieces/reel maximum:	640
Pitch between parts:	16 mm
Tape width:	24 mm
Reel diameter:	13 in.