CSN032D Series
SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)
Rev. A

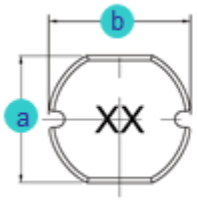
A. Electrical Specifications:

P/N	Marking	Inductance (µH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
CSN032D-1R0M	BA	1.0	100	0.07	2.080
CSN032D-1R4M	BE	1.4	100	0.09	1.860
CSN032D-1R8M	BI	1.8	100	0.11	1.800
CSN032D-2R2M	CC	2.2	100	0.13	1.390
CSN032D-2R7M	CH	2.7	100	0.14	1.320
CSN032D-3R3M	DD	3.3	100	0.20	1.250
CSN032D-3R9M	DJ	3.9	100	0.21	1.200
CSN032D-4R7M	EH	4.7	100	0.33	1.030
CSN032D-5R6M	FG	5.6	100	0.35	0.910
CSN032D-6R8M	GI	6.8	100	0.38	0.850
CSN032D-8R2M	IC	8.2	100	0.43	0.820
CSN032D-100M	KA	10	100	0.50	0.740
CSN032D-120M	QA	12	100	0.65	0.640
CSN032D-150M	MA	15	100	0.82	0.600
CSN032D-180M	RA	18	100	0.90	0.540
CSN032D-220M	LA	22	100	1.14	0.500
CSN032D-270M	SA	27	100	1.39	0.430
CSN032D-330M	NA	33	100	1.55	0.400
CSN032D-390M	PA	39	100	2.15	0.370
CSN032D-470M	OA	47	100	2.44	0.360
CSN032D-560M	UA	56	100	2.68	0.310
CSN032D-680M	VA	68	100	3.05	0.300
CSN032D-820M	XA	82	100	3.48	0.280
CSN032D-221M	LB	220	100	6.30	0.200
CSN032D-471M	OB	470	100	14.00	0.090

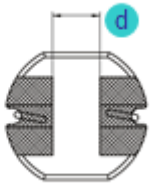
B. Dimensions: mm (Inch)

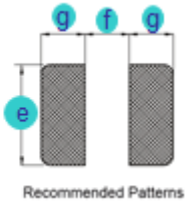
Series	a	b	c	d	e	f	g
CSN032D	3.0 (0.118)	3.3 (0.130)	2.1 (0.083)	1.0 (0.039)	3.2 (0.126)	1.2 (0.047)	1.2 (0.047)
Tol.	±0.3 (0.012)	±0.3 (0.012)	±0.3 (0.012)	Typ.	Typ.	Typ.	Typ.











Recommended Patterns

C. General Information:

1. CSN032D-xxx_, “CSN032D” = P/N, “xxx” = Inductance, “_” = Tolerance.
2. Tolerance “_”: M: ± 20%, L= ± 15%, K = ±10%.
3. Operating temperature range: -30ºC to +100ºC (Including self-heating).
4. Storage temperature: -40ºC to +85ºC.
5. Inductance measured using the HP4284A and Chroma1320 & 3302.
6. DCR measured using Chroma 16502 milliohm meter.
7. Inductance drop no more than 10% of initial value at rated current, temperature rise $\Delta t < 40$ºC.
8. Inductance and Current range: From 1.0 µH (2.080A) to 470.0 µH (0.090A).
9. MSL: Level 1.

D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)
6. PDA, LCD, DVD, BRP, HD

E. Characteristics Curve:

