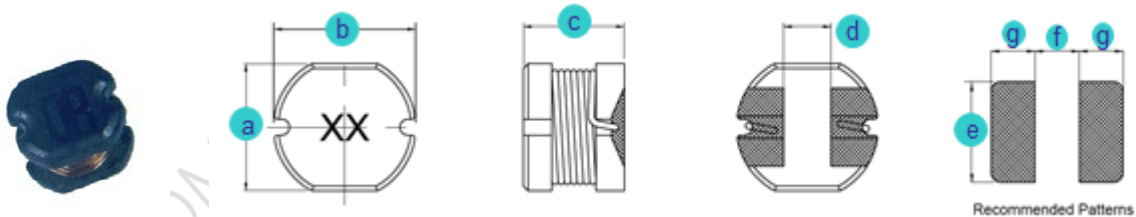


A. Electrical Specifications:

P/N	Marking	Inductance (μ H)	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.	\pm 0.3 (0.012)	\pm 0.3 (0.012)	\pm 0.3 (0.012)	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSN032D-xxx, "CSN032D" = P/N, "xxx" = Inductance, "-" = Tolerance.
2. Tolerance "-": M: \pm 20%, L: \pm 15%, K: \pm 10%.
3. Operating temperature range: -30°C to +100°C (Including self-heating).
4. Storage temperature: -40°C to +85°C.
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 $\Delta t < 40^\circ\text{C}$.
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

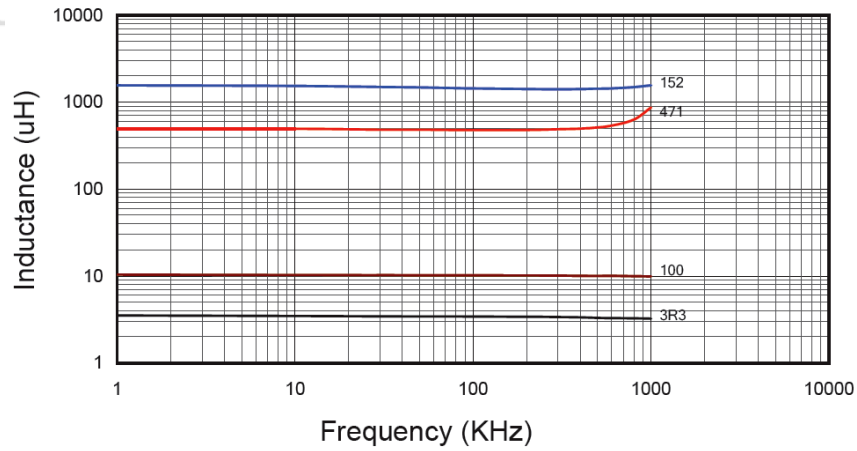


CSN032D Series SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)

Rev. A

E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

