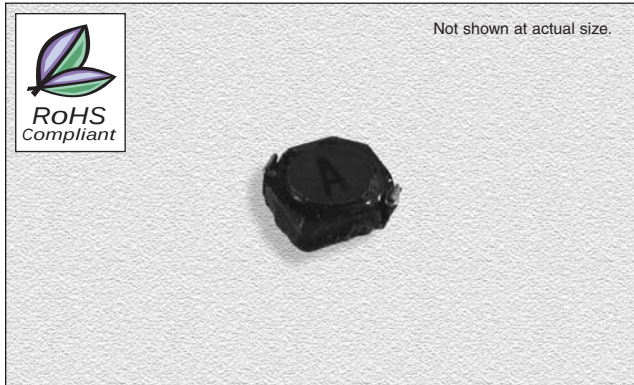


02-085F Series

From 1.2 μH to 10 μH

SPECIFICATIONS

Inductance drop = 35% typ. at Isat.
 $\Delta T = 40^\circ\text{C}$ rise at Irms.



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.

Operating Temperature: -40°C to $+85^\circ\text{C}$

Inductance Tolerance: $\pm 30\%$

Testing: Inductance is tested on an HP4285A at 100KHz, 0.1V

Packaging: Tape & Reel

Marking: Parts are marked with letter identifier.

Miscellaneous: RoHS Compliant.

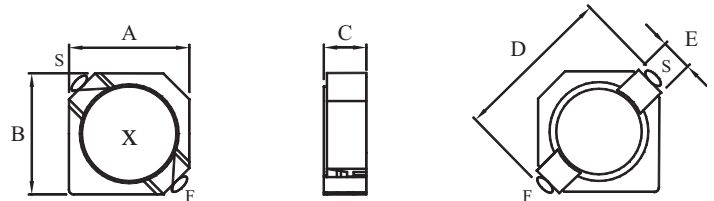
Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

Part Number	Marking	Inductance at 100kHz (μH)	Irms Max. (A)	Isat Max. (A)	DCR Max. (Ω)
02-085F-1R2N	A	1.20 $\pm 30\%$	1.24	0.80	0.0975
02-085F-1R5N	B	1.50 $\pm 30\%$	1.15	0.73	0.1100
02-085F-1R8N	C	1.80 $\pm 30\%$	1.06	0.65	0.1310
02-085F-2R2N	D	2.20 $\pm 30\%$	1.05	0.60	0.1440
02-085F-2R5N	E	2.50 $\pm 30\%$	0.98	0.53	0.1500
02-085F-3R0N	F	3.00 $\pm 30\%$	0.84	0.47	0.1940
02-085F-3R9N	G	3.90 $\pm 30\%$	0.72	0.45	0.2250
02-085F-4R7N	H	4.70 $\pm 30\%$	0.64	0.41	0.2880
02-085F-5R6N	I	5.60 $\pm 30\%$	0.59	0.37	0.3250
02-085F-6R8N	J	6.80 $\pm 30\%$	0.53	0.33	0.4250
02-085F-8R2N	K	8.20 $\pm 30\%$	0.46	0.30	0.4750
02-085F-100N	L	10.00 $\pm 30\%$	0.42	0.28	0.5380

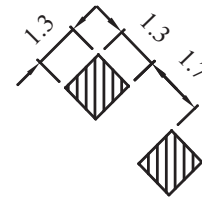
PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D Max.	E Ref.
mm	3.2	3.2	1.0	4.3	1.0
inches	0.13	0.13	0.04	0.17	0.04



RECOMMENDED LAND PATTERN

Unit: mm



03.31.09