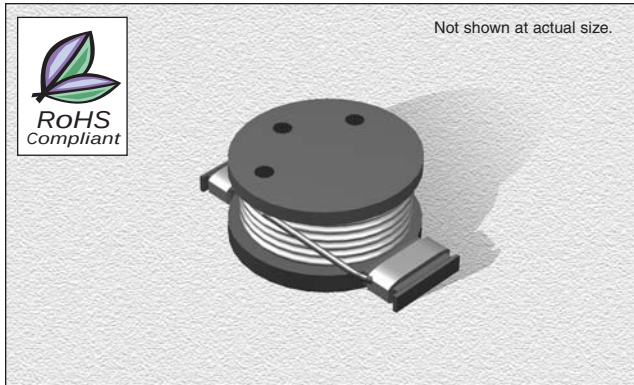


02-186F Series

From 0.78 μH to 15 μH



CHARACTERISTICS

Description: SMD (high current) power inductor

Applications: DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops.

Operating Temperature: -40°C to +85°C

ΔT : 40°C typically at I_{rms} .

Inductance Tolerance: $\pm 20\%$

Inductance Drop: 10% typically at I_{sat} .

Testing: Inductance is tested on an HP4285A at 100 kHz.

Packaging: Tape & Reel.

Marking: Color dots OR Inductance code.

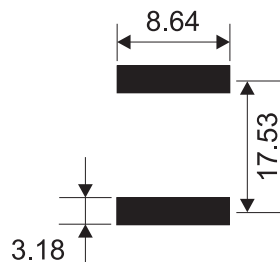
Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



SPECIFICATIONS

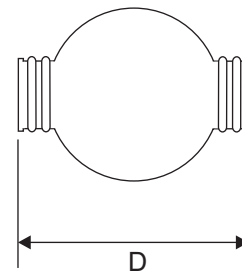
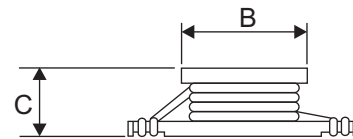
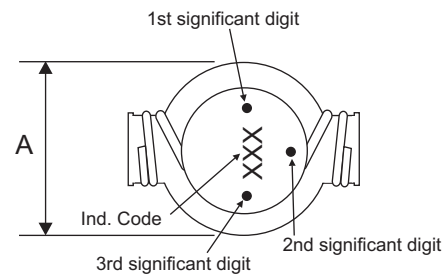
Parts are available in $\pm 20\%$ tolerance only.

Part Number	Inductance (μH)	L Test Freq. (kHz)	DCR Max. (m Ω)	SRF Typ. (MHz)	I_{sat} Typ. (A)	I_{rms} (A)
02-186F-781	0.78	100	2.6	156	30	15
02-186F-152	1.5	100	4.0	100	25	15
02-186F-222	2.2	100	6.1	75	20	12
02-186F-332	3.3	100	8.6	60	17	10
02-186F-392	3.9	100	10	55	15	9.0
02-186F-472	4.7	100	14	40	13	8.4
02-186F-602	6.0	100	17	35	12	7.5
02-186F-782	7.8	100	18	35	11	7.5
02-186F-103	10	100	26	28	10	6.0
02-186F-153	15	100	32	20	8.0	4.4

PHYSICAL DIMENSIONS

Size	A Max.	B Typ.	C Max.	D Max.
mm	16.26	12.7	8	22.35
inches	0.64	0.5	0.32	0.88

Parts will be marked with
Significant Digit Dots OR Inductance Code



01.11.10