

02-117F Series

From 0.8µH to 1,000µH

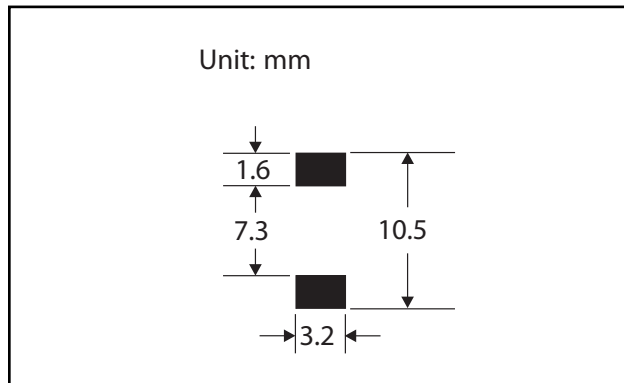
ENGINEERING KIT #42



CHARACTERISTICS

Description: SMD (shielded) power inductor
Applications: Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.
Operating Temperature: -40°C to +100°C
Inductance Tolerance: ±30%
Testing: Tested on an HP4285A at 100kHz, 0.25Vrms, 0Adc
Packaging: Tape & Reel
Marking: Parts are marked with inductance code
Miscellaneous: RoHS Compliant
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

Parts are available in ±30% inductance tolerance only.
***Saturation Current:** This indicates the value of current when the inductance is 35% lower than its initial value at D.C superposition or D.C. current.
****Temperature Current:** To load current onto the components under normal ambience, which cause the temp. change as ΔT=40°C or more lower current.
 Please refer saturated current or the minimum temp. current as standard.

Part Number	Inductance (µH±30%)	L Test Freq. (kHz)	DCR Max. (mΩ)	*Saturation Current (A)	**Temp. Current (A)
02-117F-0R8N	0.8	100	5.0	13.5	11.5
02-117F-1R5N	1.5	100	6.0	10.5	10.3
02-117F-2R2N	2.2	100	8.0	9.25	9.20
02-117F-3R3N	3.3	100	11.0	8.80	8.20
02-117F-4R7N	4.7	100	13.0	8.00	7.30
02-117F-6R8N	6.8	100	18.0	5.50	6.20
02-117F-8R2N	8.2	100	20.0	5.00	5.50
02-117F-100N	10	100	26.0	4.45	4.50
02-117F-120N	12	100	33.0	4.00	4.00
02-117F-150N	15	100	41.0	3.60	3.80
02-117F-180N	18	100	46.0	3.20	3.42
02-117F-220N	22	100	61.0	2.95	3.07
02-117F-270N	27	100	69.0	2.70	2.76
02-117F-330N	33	100	84.0	2.40	2.48
02-117F-390N	39	100	106.0	2.30	2.35
02-117F-470N	47	100	130.0	2.00	2.11
02-117F-560N	56	100	149.0	1.90	2.00
02-117F-680N	68	100	201.0	1.65	1.70
02-117F-820N	82	100	227.0	1.50	1.53
02-117F-101N	100	100	253.0	1.35	1.35
02-117F-121N	120	100	303.0	1.28	1.28
02-117F-151N	150	100	370.0	1.12	1.15
02-117F-181N	180	100	419.0	1.04	1.09
02-117F-221N	220	100	500.0	0.94	0.93
02-117F-271N	270	100	672.0	0.84	0.85
02-117F-331N	330	100	812.0	0.75	0.76
02-117F-391N	390	100	953.0	0.70	0.68
02-117F-471N	470	100	1300.0	0.60	0.60
02-117F-561N	560	100	1430.0	0.54	0.57
02-117F-681N	680	100	1600.0	0.52	0.54
02-117F-821N	820	100	1770.0	0.50	0.50
02-117F-102N	1000	100	1990.0	0.48	0.46

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	10.3	10.5	5.1	3.0±0.1	7.7±0.3	1.2±0.15
inches	0.406	0.413	0.201	0.12±0.003	0.30±0.01	0.05±0.006

