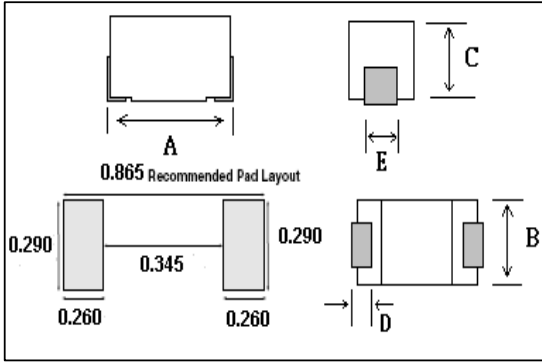


SMD-PA1.5-5832



RoHS
COMPLIANT



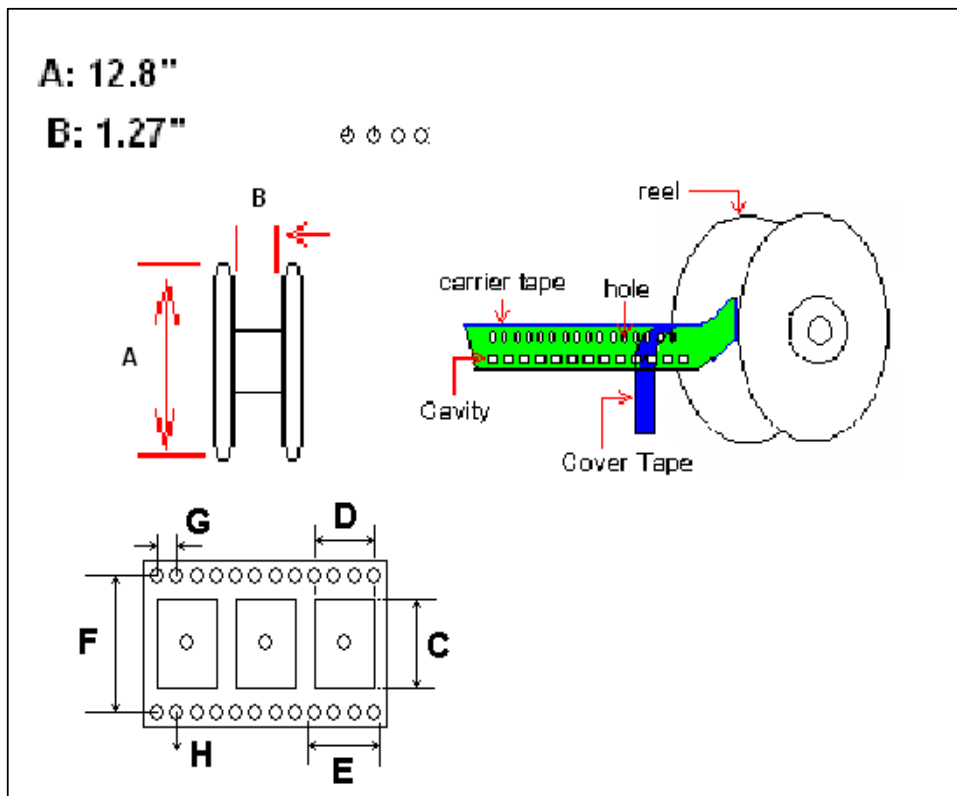
- A: 0.640 +/-0.02**
- B: 0.320 Max**
- C: 0.285" Max**
- D : 0.090+/-0.020**
- E : 0.200+/-0.025**

FEATURES	.Flame retardant encapsulant (UV 94V-0). .Completely encapsulated winding provides superior environmental protection and moisture resistance. .High current unit in surface mount package printed with model, inductance value and date code. .Compatible with infrared or conventional reflow soldering methods.
Characteristics	
Operating temperature	-55°C to +125°C(no load); -55°C to + 85°C (at full rated current)
Inductance tolerance	+/- 15%
Testing (Equivalent acceptable)	L : measured on CH-100 1KHz IDC : CH-301 current source&DCR meter RDC : CH-301 current source & DCR meter
Incremental Current	The typical current at which the inductance will be decreased by 5% from its initial zero DC value
Marking	Inductance
Encapsulant	Epoxy
	Reflow soldering 260°C 10 sec Resistance to soldering Heat 260°C , 15 sec max
Packaging	SMD : 500pcs/reel
Terminals	100% Sn over Ni

PART NUMBER	L (uH)	TEST FREQ	DCR (Ohms) Max	Current Rating (Amps) Max	Incremental Current (Amps)
SMD5832-1R0L	1.0	1KHz	0.010	9	6.2
SMD5832-1R2L	1.2	1KHz	0.011	8.8	5.6
SMD5832-1R5L	1.5	1KHz	0.012	8.7	5
SMD5832-1R8L	1.8	1KHz	0.013	8.6	4.4
SMD5832-2R2L	2.2	1KHz	0.015	8.5	4
SMD5832-2R7L	2.7	1KHz	0.017	8.4	3.7
SMD5832-3R3L	3.3	1KHz	0.020	8.3	3.4
SMD5832-3R9L	3.9	1KHz	0.021	7.9	3.1
SMD5832-4R7L	4.7	1KHz	0.023	7.4	2.8
SMD5832-5R6L	5.6	1KHz	0.024	7	2.6
SMD5832-6R8L	6.8	1KHz	0.038	6.1	2.3
SMD5832-8R2L	8.2	1KHz	0.047	5.1	2
SMD5832-100L	10	1KHz	0.053	4.3	1.8
SMD5832-120L	12	1KHz	0.068	3.9	1.7
SMD5832-150L	15	1KHz	0.078	3.5	1.6
SMD5832-180L	18	1KHz	0.083	3.2	1.5
SMD5832-220L	22	1KHz	0.120	2.8	1.3
SMD5832-270L	27	1KHz	0.140	2.3	1.2
SMD5832-330L	33	1KHz	0.170	1.9	1.1
SMD5832-390L	39	1KHz	0.190	1.8	1.03
SMD5832-470L	47	1KHz	0.215	1.77	0.93
SMD5832-560L	56	1KHz	0.236	1.71	0.9
SMD5832-680L	68	1KHz	0.305	1.43	0.82
SMD5832-820L	82	1KHz	0.357	1.14	0.75
SMD5832-101L	100	1KHz	0.452	0.95	0.68
SMD5832-121L	120	1KHz	0.530	0.88	0.63
SMD5832-151L	150	1KHz	0.609	0.82	0.58
SMD5832-181L	180	1KHz	0.809	0.75	0.54
SMD5832-221L	220	1KHz	1.10	0.69	0.48
SMD5832-271L	270	1KHz	1.27	0.64	0.43
SMD5832-331L	330	1KHz	1.42	0.59	0.38
SMD5832-391L	390	1KHz	1.89	0.54	0.34
SMD5832-471L	470	1KHz	2.21	0.49	0.31

PART NUMBER	L (uH)	TEST FREQ	DCR (Ohms) Max	Current Rating (Amps) Max	Incremental Current (Amps)
SMD5832-561L	560	1KHz	2.42	0.46	0.28
SMD5832-681L	680	1KHz	2.73	0.43	0.25
SMD5832-821L	820	1KHz	3.78	0.4	0.23
SMD5832-102L	1000	1KHz	4.20	0.37	0.21
SMD5832-122L	1200	1KHz	5.51	0.32	0.19
SMD5832-152L	1500	1KHz	7.35	0.29	0.17
SMD5832-182L	1800	1KHz	8.66	0.25	0.16
SMD5832-222L	2200	1KHz	9.71	0.22	0.14
SMD5832-272L	2700	1KHz	11.29	0.2	0.13
SMD5832-332L	3300	1KHz	15.60	0.18	0.12
SMD5832-392L	3900	1KHz	20.74	0.16	0.11
SMD5832-472L	4700	1KHz	23.10	0.14	0.1
SMD5832-562L	5600	1KHz	26.40	0.12	.082
SMD5832-682L	6800	1KHz	29.90	0.1	.082
SMD5832-822L	8200	1KHz	32.20	0.08	.065
SMD5832-103L	10000	1KHz	38.10	0.06	.050
SMD5832-123L	12000	1KHz	45.20	0.04	.050
SMD5832-153L	15000	1KHz	48.30	0.04	.039
SMD5832-183L	18000	1KHz	52.50	0.04	.039

SMD5832 Packaging



Symbol	Dimension
	SMD5832
C DIM	0.780"+/-0.01
D DIM	0.490"+/-0.01
E DIM	0.628"+/-0.01
F DIM	1.11"+/-0.01
G DIM	0.157"+/-0.01
H DIM	0.069"+/-0.005

SMD5832 PACKING:

500pcs/1REEL: 1550g

2REEL/1BOX: 3400g

1CARTON/4BOX(4000pcs): 14.5Kg