CAMBION â

Technical Data Sheet

Wearnes Cambion LTD
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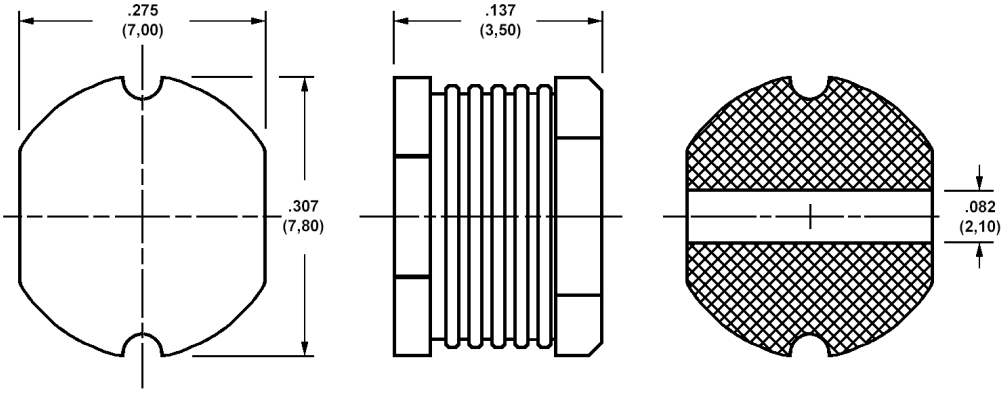
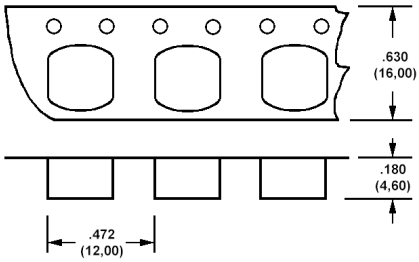
555-8064 Surface mount power inductors, 7mm low profile, 10µH thru 390µH



TAPE DIMENSIONS



How to order code
555-8064-XXX-Y-ZZ
Basic Part No XXX = Inductance identifier, Y = tolerance, ZZ = packaging

ELECTRICAL SPECIFICATIONS					
Basic Part Number (XXX)-		**Inductance (mH)**	**Frequency (MHz)**	**DCR (max) (W)**	**IDC (max) (A)**
555-8064	-100	10	2.52	0.08	1.44
	-120	12	2.52	0.09	1.39
	-150	15	2.52	0.10	1.24
	-180	18	2.52	0.11	1.10
	-220	22	2.52	0.13	1.00
	-270	27	2.52	0.15	0.90
	-330	33	2.52	0.17	0.85
	-390	39	2.52	0.22	0.74
	-470	47	2.52	0.25	0.68
	-560	56	2.52	0.28	0.64
	-680	68	2.52	0.33	0.59
	-820	82	2.52	0.41	0.54
	-101	100	1KHz	0.48	0.45
	-121	120	1KHz	0.54	0.40
	-151	150	1KHz	0.75	0.35
	-181	180	1KHz	1.02	0.31
	-221	220	1KHz	1.20	0.30
	-271	270	1KHz	1.31	0.28
	-331	330	1KHz	1.50	0.24
	-391	390	1KHz	1.60	0.20

Other electrical specifications to order - Consult factory

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TOLERANCE (Y)		
Tolerance Code (Y)	**Inductance Tolerance**	**Notes**
J	± 5%	Made to order
K	± 10%	Made to order
M	± 20%	Standard

PACKAGING (ZZ)		
-00	Loose Piece	Made to order
-36	Taped and Reeled	Standard - 1000 per reel

MATERIAL SPECIFICATIONS	
Operating Temperature	-30°C to +100°C
Insulation resistance	Over 100MΩ at 100 VDC between core and coil
Dielectric Strength	No dielectric breakdown at 100 VDC for 1 minute between core and coil
Temperature Characteristics	Inductance coefficient (0-2000) x 10^{6}/°C (-25 - 85°C)
Vibration resistance	Inductance deviation within ±5%, (After vibration for 1 hour in each of three orientations with sweep vibration (10-55-10Hz) and 1.5mm P-P amplitude)