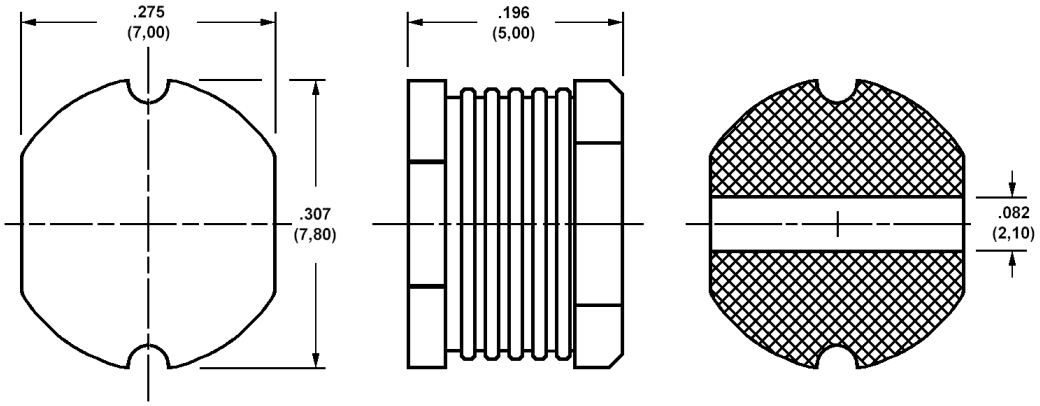
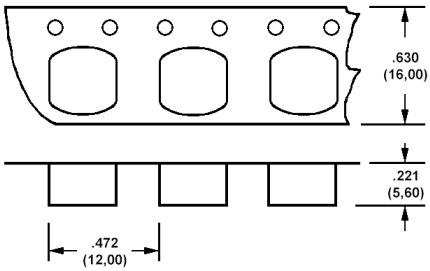
CAMBION®
Technical Data Sheet

Cambion Electronics LTD
Castleton, Hope Valley, Derbyshire, S33 8WR, England
Telephone: +44(0)1433 621555 Fax: +44(0)1433 621290
Web: www.cambion.com Email: enquiries@cambion.com

555-8066 Surface mount power inductors, 7mm, 10µH thru 820µH



TAPE DIMENSIONS



How to order code
555-8066-XXX-Y-ZZ
Basic Part No XXX = Inductance identifier, Y = tolerance, ZZ = packaging

ELECTRICAL SPECIFICATIONS					
Basic Part Number (XXX)-		**Inductance (µH)**	**Frequency (MHz)**	**DCR (max) (Ω)**	**IDC (max) (A)**
555-8066	-100	10	2.52	0.07	2.30
	-120	12	2.52	0.08	2.00
	-150	15	2.52	0.09	1.80
	-180	18	2.52	0.10	1.60
	-220	22	2.52	0.11	1.50
	-270	27	2.52	0.12	1.30
	-330	33	2.52	0.13	1.20
	-390	39	2.52	0.16	1.10
	-470	47	2.52	0.18	1.10
	-560	56	2.52	0.24	0.94
	-680	68	2.52	0.28	0.85
	-820	82	2.52	0.37	0.78
	-101	100	1KHz	0.43	0.72
	-121	120	1KHz	0.47	0.66
	-151	150	1KHz	0.64	0.58
	-181	180	1KHz	0.71	0.51
	-221	220	1KHz	0.96	0.48
	-271	270	1KHz	1.11	0.42
	-331	330	1KHz	1.26	0.40

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ELECTRICAL SPECIFICATIONS					
Basic Part Number (XXX)-		**Inductance (µH)**	**Frequency (MHz)**	**DCR (max) (Ω)**	**IDC (max) (A)**
555-8066	-391	390	1KHz	1.77	0.35
	-471	470	1KHz	1.96	0.31
	-561	560	1KHz	2.00	0.27
	-681	680	1KHz	2.20	0.24
	-821	820	1KHz	2.40	0.20

Other electrical specifications to order - Consult factory

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)

