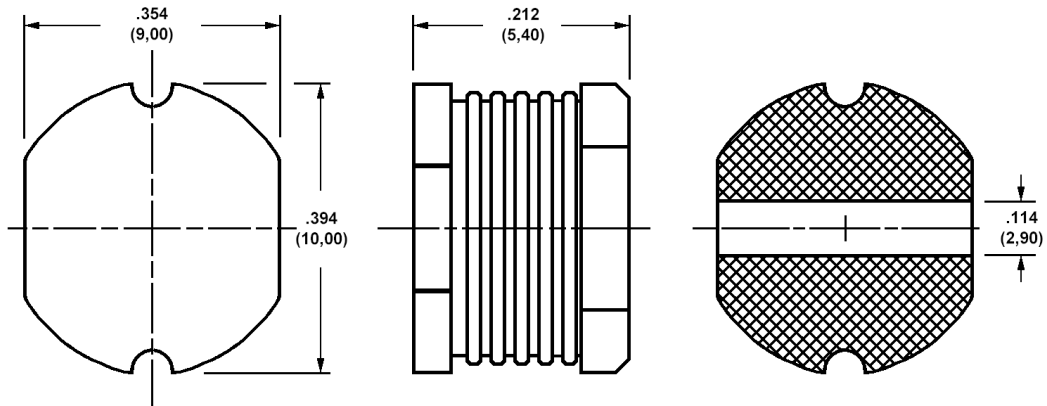
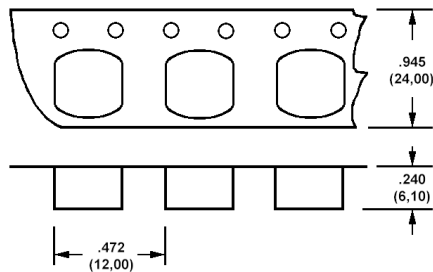


## 555-8068 Surface mount power inductors, 9mm, 10µH thru 1000µH



TAPE DIMENSIONS



How to order code

**555-8068-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)
555-8068	-100	10	2.52	0.06
	-120	12	2.52	0.07
	-150	15	2.52	0.08
	-180	18	2.52	0.09
	-220	22	2.52	0.10
	-270	27	2.52	0.11
	-330	33	2.52	0.12
	-390	39	2.52	0.14
	-470	47	2.52	0.17
	-560	56	2.52	0.19
	-680	68	2.52	0.22
	-820	82	2.52	0.25
	-101	100	1KHz	0.35
	-121	120	1KHz	0.40
	-151	150	1KHz	0.47
	-181	180	1KHz	0.63
	-221	220	1KHz	0.73
	-271	270	1KHz	0.97
	-331	330	1KHz	1.15

ELECTRICAL SPECIFICATIONS					
Basic Part Number (XXX)-	Inductance ( $\mu\text{H}$ )	Frequency (MHz)	DCR (max) ( $\Omega$ )	IDC (max) (A)	
555-8068	-391	390	1KHz	1.30	0.48
	-471	470	1KHz	1.48	0.42
	-561	560	1KHz	1.90	0.33
	-681	680	1KHz	2.25	0.28
	-821	820	1KHz	2.55	0.24
	-102	1000	1KHz	2.60	0.23

Other electrical specifications to order - Consult factory

TOLERANCE (Y)		
Tolerance Code (Y)	Inductance Tolerance	Notes
J	$\pm 5\%$	Made to order
K	$\pm 10\%$	Made to order
M	$\pm 20\%$	Standard

PACKAGING (ZZ)		
-00	Loose Piece	Made to order
-36	Taped and Reeled	Standard - 500 per reel

MATERIAL SPECIFICATIONS	
Operating Temperature	-30°C to +100°C
Insulation resistance	Over 100M $\Omega$ 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 <sup>6</sup> /°C (-25 - 85°C)
Vibration resistance	Inductance deviation within $\pm 5\%$ , (After vibration for 1 hour in each of three orientations with sweep vibration (10-55-10Hz) and 1.5mm P-P amplitude)