

FEATURES:

- Available in vertical, Low profile and Klipmount™.
- SMPS Averaging Filter
- Characterized for general purpose use and ripple filters
- Single-layer designs
- Can be used as differential mode inductor in EMI filters³
- Recognized by UL 60950-1

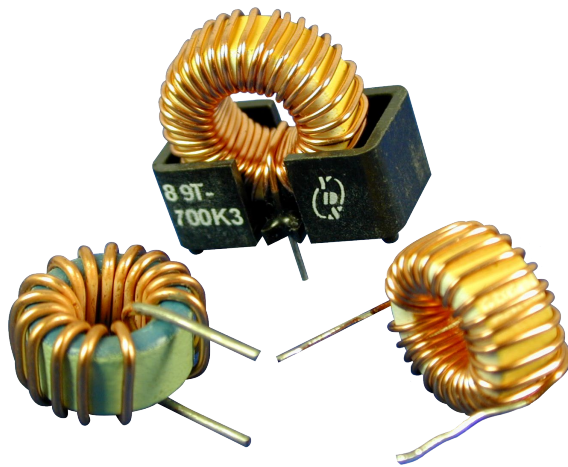
YUAN DEAN SCIENTIFIC



Inductor

89T SERIES

Low Cost

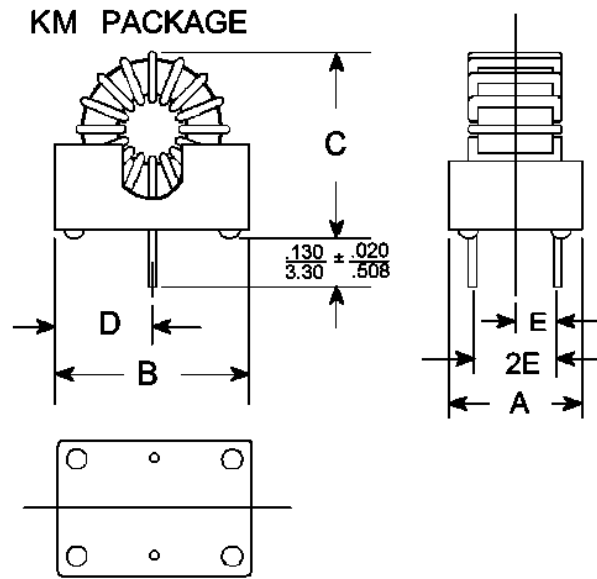


Electrical Specifications@25°C- Operating Temperature -30°C to +130°C

Reference Operating Values						Design Control Values					
Low profile Part Number	Vertical Part Number	Inductance Typical (μH)	Idc amps	E _{Top} (v-μ sec)	Energy Storage (μ j)	Inductance No dc±20% (μH)	20khz Test mv No dc	Dcr (Ω) Max	Coil Size Code	K.Mount Part Number	Lead Diameter (in)±.003
89T-500WBNL	89T-500VBNL	50	2.6	50	169	45.7	45	0.071	B	89T-500KM2	0.020
89T-101WCNL	89T-101VCNL	100	2.6	90	338	94.1	90	0.100	C	89T-101KM3	0.020



Mechanicals and Dimensions



STANDARD PACKAGE	A	B	C	D	E
	NOM±.005/0.13		NOM.	TYPICAL	
KM2	.450	.650	.700	.325	.150
	11.43	16.51	17.78	8.26	3.91
KM3	.450	.830	.950	.415	.150
	11.43	21.08	24.13	10.54	.391
KM4	.600	.950	1.10	.475	.225
	15.24	24.13	27.94	12.07	5.72
KM5	.700	1.3	1.40	.625	.250
	17.78	33.02	35.56	15.88	6.35

DIMENSIONS: inches/mm

Schematic

