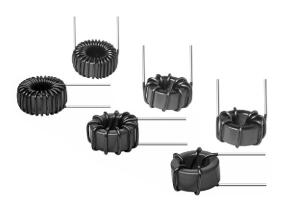
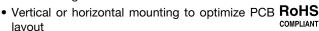


## Toroid, High Current, High Temperature, Radial Leaded



#### **FEATURES**

- · Printed circuit mounting
- Toroid design reduces EMI



- High temperature rating of 200 °C no aging
- Material categorization: For definitions please see www.vishay.com/doc?99912

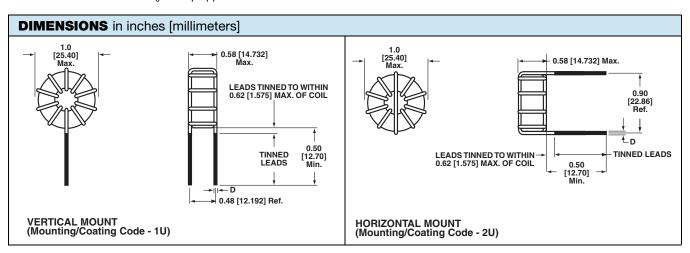
### **APPLICATIONS**

- Switching power supplies
- EMI/RFI filtering
- · Output chokes

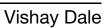
STANDARD ELECTRICAL SPECIFICATIONS in inches [millimeters]									
			CR L MOUNT)	DCR (HORIZONTAL MOUNT)		RATED CURRENT VERTICAL	RATED CURRENT HORIZONTAL	SATURATION	LEAD
IND. L <sub>0</sub> (μH)	TOLERANCE (%)	TYP. (Ω)	MAX. (Ω)	TYP. (Ω)	MAX. (Ω)	MOUNT (A) <sup>(1)</sup>	MOUNT (A) <sup>(1)</sup>	CURRENT (A) (2)	DIAMETER D
0.47	20	0.0016	0.0024	0.0022	0.003	36	30	50	0.053 [1.346]
1.2	20	0.0028	0.0032	0.0032	0.0035	28	24	33	0.053 [1.346]
2.2	20	0.0036	0.0042	0.0042	0.0048	23	22	22	0.053 [1.346]
3.9	20	0.0045	0.0058	0.005	0.006	21	19.5	18	0.053 [1.346]
4.7	20	0.005	0.0064	0.0055	0.007	19	18.5	15	0.053 [1.346]
6.8	20	0.006	0.0074	0.0065	0.0078	18	17	14	0.053 [1.346]
10	20	0.0075	0.011	0.0084	0.012	15.8	15.5	10	0.053 [1.346]
22	20	0.015	0.019	0.016	0.02	10.8	10.5	7	0.042 [1.067]
39	20	0.02	0.025	0.022	0.028	9.2	9.1	5	0.042 [1.067]
100	20	0.05	0.069	0.054	0.075	5.5	5.5	3.0	0.034 [0.864]
470	20	0.17	0.29	0.175	0.3	2.8	2.8	1.5	0.027 [0.686]

#### **Notes**

- Operating temperature (ambient + ΔT): 55 °C to + 200 °C, inductance tested at 0.25 V<sub>RMS</sub>, 1 kHz, DCR tested at 25 °C ± 5 °C, all material rated at 200 °C
- (1) DC current that will cause an approx.  $\Delta T$  of 50 °C
- (2) DC current that will cause L<sub>0</sub> to drop approx. 20 %



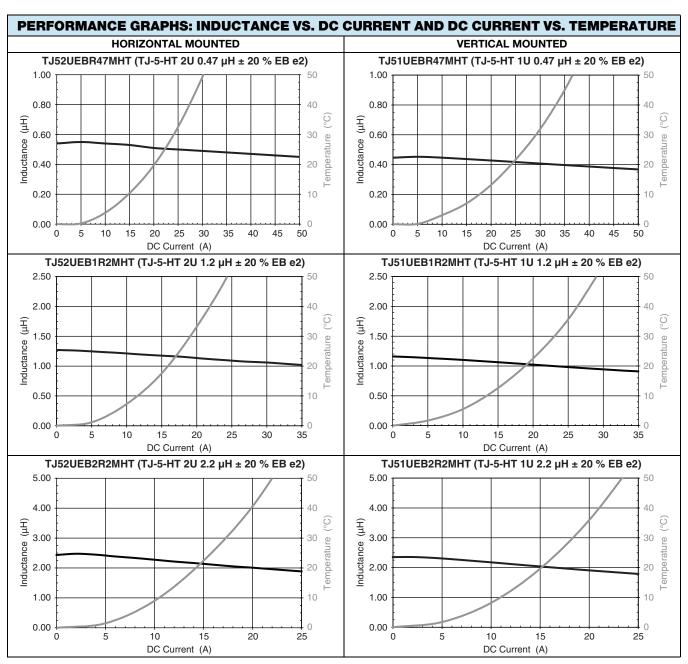
Revision: 09-Mar-12 Document Number: 34232



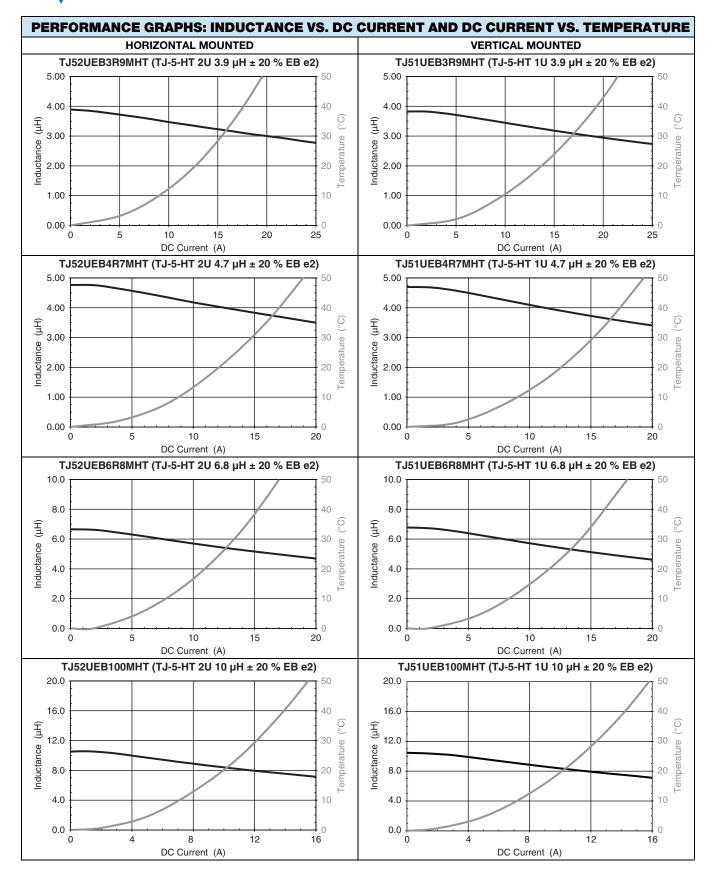


ORDERING INFORMATION								
TJ5-HT	1U	10 μH	± 20 %	EB	e2			
MODEL	MOUNTING/COATING CODE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD			

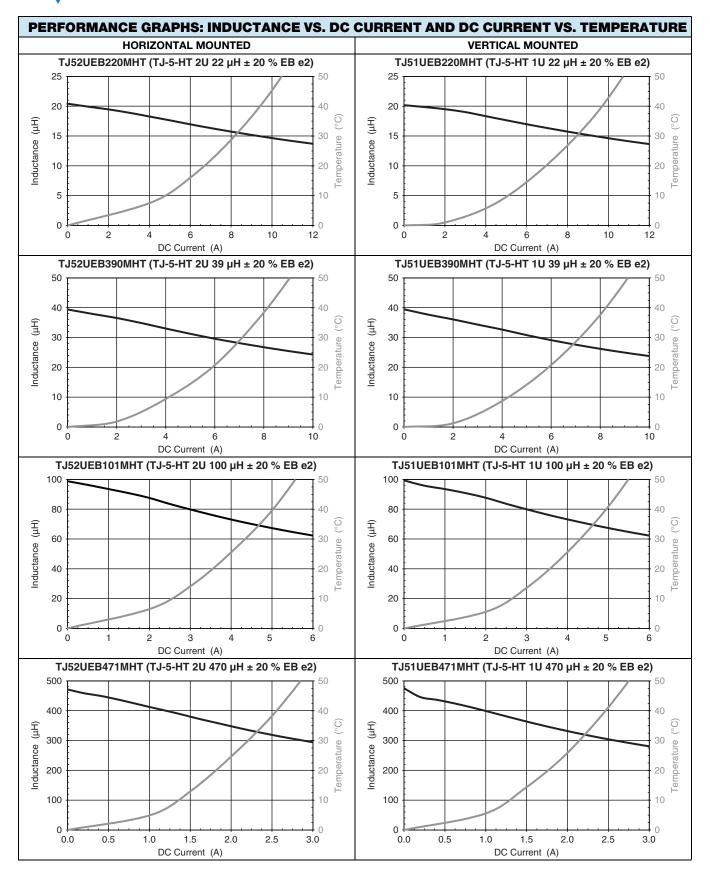
GLOBAL PART NUMBER								
T J 5	MOUNTING/COATING CODE	PACKAGE CODE	1 0 0 INDUCTANCE VALUE	M INDUCTANCE TOLERANCE	H T SERIES			













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TJ52UEB471MHT TJ51UEB4R7MHT TJ51UEB1R2MHT TJ51UEB100MHT TJ51UEB101MHT TJ51UEB2R2MHT
TJ51UEB220MHT TJ51UEB3R9MHT TJ51UEB390MHT TJ51UEBR47MHT