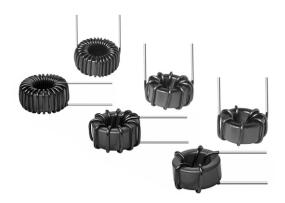


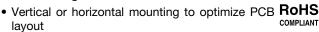


# Vertical and Horizontal Mount, Through-Hole Toroid Inductors, High Temperature 200 °C, Radial Leaded



### **FEATURES**

- Toroid diameter: 25.4 mm max.
- Toroid design reduces EMI



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

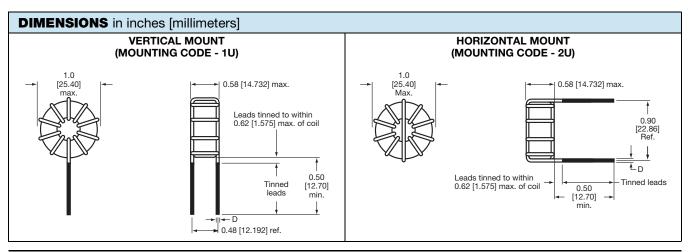
#### **APPLICATIONS**

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

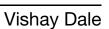
STANDARD ELECTRICAL SPECIFICATIONS in inches [millimeters]											
	IND.		DCR (VERTICAL MOUNT)		DCR (HORIZONTAL MOUNT)		RATED CURRENT VERTICAL	RATED CURRENT HORIZONTAL	SATURATION	LEAD	
PART NUMBER	L <sub>0</sub> (μΗ)	TOLERANCE (%)	TYP. (Ω)	MAX. (Ω)	<b>TYP.</b> (Ω)	MAX. (Ω)	MOUNT (A) <sup>(1)</sup>	MOUNT (A) <sup>(1)</sup>	CURRENT (A) <sup>(2)</sup>	DIAMETER D	
TJ5EBR47MHT	0.47	20	0.0016	0.0024	0.0022	0.003	36	30	50	0.053 [1.346]	
TJ5EB1R2MHT	1.2	20	0.0028	0.0032	0.0032	0.0035	28	24	33	0.053 [1.346]	
TJ5EB2R2MHT	2.2	20	0.0036	0.0042	0.0042	0.0048	23	22	22	0.053 [1.346]	
TJ5EB3R9MHT	3.9	20	0.0045	0.0058	0.005	0.006	21	19.5	18	0.053 [1.346]	
TJ5EB4R7MHT	4.7	20	0.005	0.0064	0.0055	0.007	19	18.5	15	0.053 [1.346]	
TJ5EB6R8MHT	6.8	20	0.006	0.0074	0.0065	0.0078	18	17	14	0.053 [1.346]	
TJ5EB100MHT	10	20	0.0075	0.011	0.0084	0.012	15.8	15.5	10	0.053 [1.346]	
TJ5EB220MHT	22	20	0.015	0.019	0.016	0.02	10.8	10.5	7	0.042 [1.067]	
TJ5EB390MHT	39	20	0.02	0.025	0.022	0.028	9.2	9.1	5	0.042 [1.067]	
TJ5EB101MHT	100	20	0.05	0.069	0.054	0.075	5.5	5.5	3.0	0.034 [0.864]	
TJ5EB471MHT	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  $^{\circ}C$
- $^{(2)}$  DC current that will cause L<sub>0</sub> to drop approx. 20 %

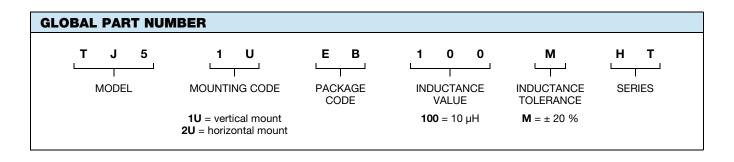


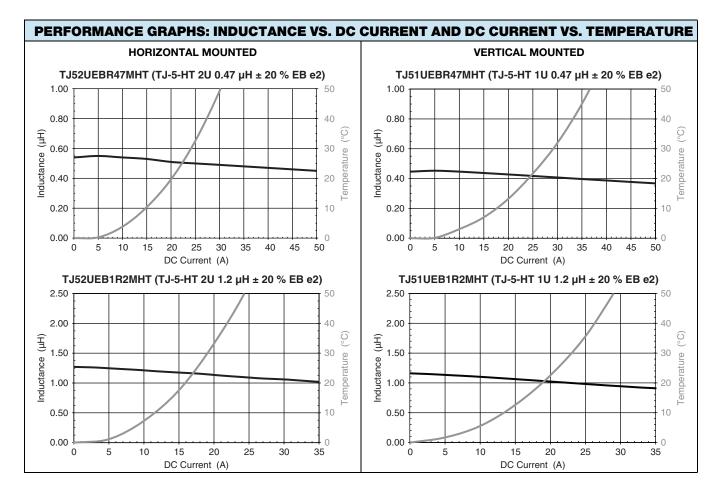
Revision: 13-Jan-2025 1 Document Number: 34232



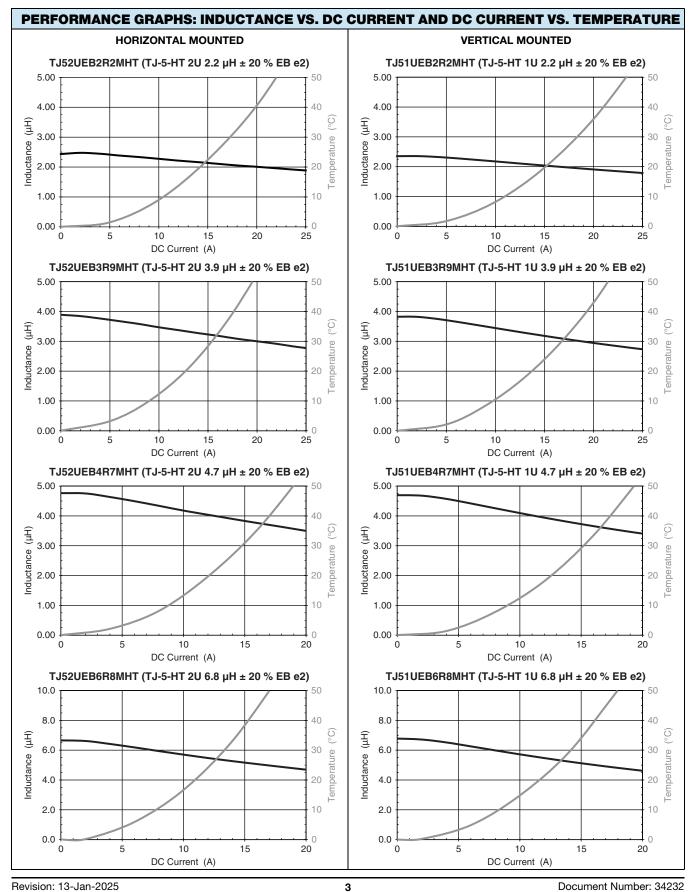


ORDERING INFORMATION										
TJ5-HT	1U	10 μΗ	± 20 %	ЕВ	e2					
MODEL	MOUNTING CODE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC <sup>®</sup> LEAD (Pb)-FREE STANDARD					

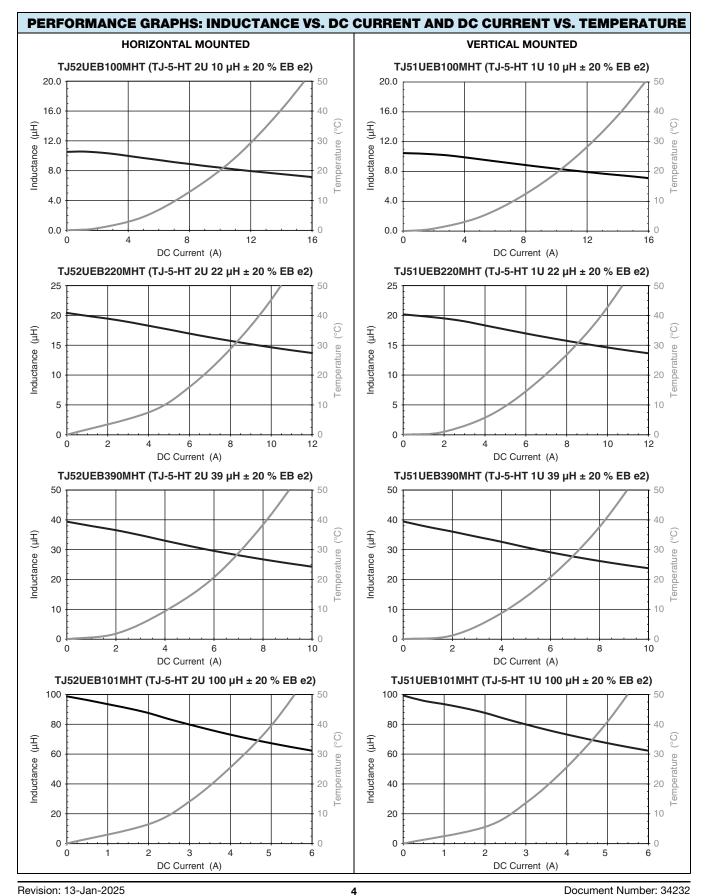








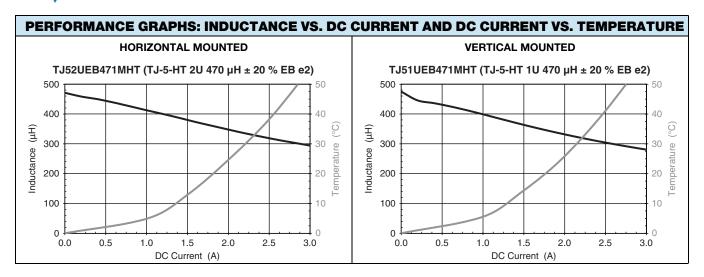






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