

FEATURES

- Highest saturation flux density (Bs) and excellent DC bias handling capability in the industry
- Available in wide range of size selection
- Designed for extended operating temperature -40°C to 85°C

APPLICATIONS

- POE and POE+ LAN magnetics with up to 30mA DC bias requirements
- Wide-band transformer

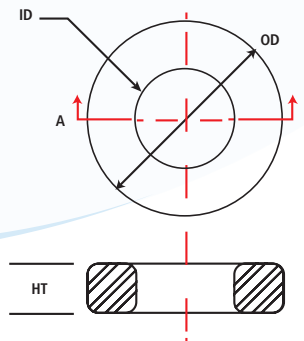
MATERIAL SPECIFICATIONS

ITEM	SYMBOL	UNIT	FREQ.	FLUX DENSITY	TEMP	66
Initial Permeability	ui	--	10 KHz	< 0.25m T	25°C	3200±25%
Saturation Flux Density	Bs	Gauss	10 KHz	H = 1200 A/m	25°C	480
Residual Flux Density	Br	Gauss	10 KHz	H = 1200 A/m	25°C	130
Coercive Force	Hc	A/m	10 KHz	< 0.25mT	0-20°C	10
Curie Temperature	Tc	°C		--	--	> 200
Density	d	g/cm ³		--	--	4.9

ELECTRICAL AND MECHANICAL SPECIFICATIONS

PART NO.	OD mm (Inch)	ID mm (Inch)	HT mm (Inch)	TOLERANCE +/- mm (Inch)	WEIGHT/K Kgs	Le mm	Ae mm ²	Ve mm ³	MLT mm/ TURN	AL (uH PER TURN SQUARED)
66T0153-30P	3.96 (0.156)	1.75 (0.069)	3.01 (0.118)	0.15 (0.006)	0.1696	8.054	3.142	25.309	8.22	1.516 +/-25%
66T0153-40P	3.96 (0.156)	1.75 (0.069)	2.57 (0.101)	0.15 (0.006)	0.1448	8.054	2.682	21.603	7.34	1.292 +/-25%
66T0154-70P	3.96 (0.156)	1.65 (0.065)	2.57 (0.101)	0.15 (0.006)	0.1458	7.784	2.783	21.660	7.44	1.388 +/-25%
66T0155-00P	3.96 (0.156)	2.21 (0.087)	2.57 (0.101)	0.15 (0.006)	0.1400	9.165	2.185	20.029	6.88	0.920 +/-25%
66T0157-00P	4.02 (0.158)	1.98 (0.078)	2.03 (0.080)	0.15 (0.006)	0.1168	8.687	1.990	17.289	6.11	0.885 +/-25%
66T0175-20P	4.47 (0.176)	2.26 (0.089)	2.57 (0.101)	0.15 (0.006)	0.1839	9.796	2.727	26.716	7.34	1.081 +/-25%
66T0190-80P	4.85 (0.191)	2.26 (0.089)	3.00 (0.118)	0.15 (0.006)	0.2578	10.155	3.697	37.545	8.58	1.420 +/-25%
66T0190-70P	4.83 (0.190)	2.29 (0.090)	4.45 (0.176)	0.20 (0.008)	0.3781	10.196	5.396	55.014	11.44	2.120 +/-25%
66T0220-00P	5.60 (0.220)	2.80 (0.110)	3.20 (0.126)	0.25 (0.010)	0.3698	12.194	4.305	52.502	9.20	1.420 +/-25%
66T0231-10P	5.87 (0.231)	3.02 (0.119)	3.07 (0.121)	0.20 (0.008)	0.3905	12.991	4.215	54.753	8.99	1.269 +/-25%
66T0231-70P	5.87 (0.231)	3.02 (0.119)	4.32 (0.170)	0.20 (0.008)	0.5486	12.991	5.922	76.926	11.48	1.787 +/-25%
66T0238-00P	6.07 (0.239)	2.92 (0.115)	3.20 (0.126)	0.20 (0.008)	0.4393	12.939	4.821	62.379	9.55	1.460 +/-25%

Remark : dimension & tolerance are based on Parylene coated toroids



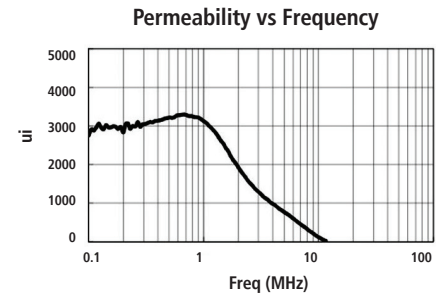
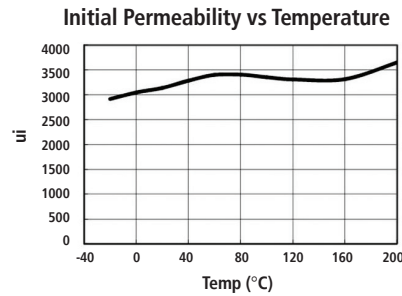
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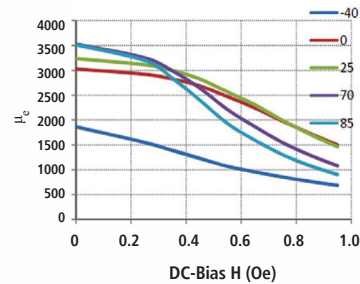
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TYPICAL ELECTRICAL CHARACTERISTICS



Incremental Permeability vs Field Intensity



ORDERING INFORMATION

PART NUMBER EXAMPLE

6	6	T	0	1	5	3	-3	0	P
Material Type		Product Code (i.e. T for Toroid)	Part Size Code			Part Thickness Code	Catalog Specification	Coating Designations (i.e. P for Polyurethane)	