



Available from www.dpcav.com

Part Number #TOR-004

Dimensions

R 20.0 × 10.0 × 7.00 (mm)

R 0.787 × 0.394 × 0.276 (inch)



NOTE: Toroid Color may vary

Characteristics

Material	A _L value nH	μ _i (approx.)	Ordering code	Magnetic characteristics				Approx. weight g
				Σl/A mm ⁻¹	l _e mm	A _e mm ²	V _e mm ³	
*T35	5000 ±25%	5100	TOR-004	1,30	43,55	33,63	1465	7.6

* See next page for T35 material details.



NOTE: Toroid is epoxy coated, color may vary.

Material properties

Preferred application			Broadband transformers		
Material			T35		
Base material			MnZn		
	Symbol	Unit			
Initial permeability (T = 25 °C)	μ_i		6000 $\pm 25\%$		
Meas. field strength	H	A/m	1200		
Flux density (near saturation) (f = 10 kHz)	B_S (25 °C) B_S (100 °C)	mT mT	390 270		
Coercive field strength (f = 10 kHz)	H_C (25 °C) H_C (100 °C)	A/m A/m	12 9		
Optimum frequency range	f_{min} f_{max}	MHz	0.01kHz 0.20kHz		
Relativeat f_{min} loss factorat f_{max}	$\tan \delta / \mu_i$	10^{-6} 10^{-6}	<4 <60		
Hysteresis material constant	η_B	$10^{-6}/mT$	<1.1		
Curie temperature	T_C	°C	>130		
Relative temperature coefficient at 25 ... 55 °C at 5 ... 25 °C	α_F	$10^{-6}/K$			
Mean value of α_F at 25 ... 55 °C		$10^{-6}/K$	0.8		
Density (typical values)		kg/m ³	4900		
Disaccommodation factor at 25 °C	DF	10^{-6}	—		
Resistivity	ρ	Ωm	0.2		
Core shapes			Toroid		