DATA SHEET

TN33/20/11 Iron powder toroids

Supersedes data of February 2002

2004 Sep 01



Iron powder toroids

TN33/20/11

RING CORES

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(I/A)	core factor (C1) 1.23 mm		mm ⁻¹
V _e	effective volume 5200		mm ³
l _e	effective length	80.0	mm
A _e	effective area	65.0	mm ²
m	mass of core	≈35	g

Coating

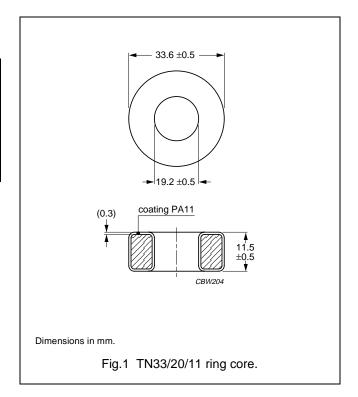
The cores are coated with polyamide 11 (PA11), flame retardant in accordance with "UL 94V-2"; UL file number E 45228 (M).

The colour is white.

Isolation voltage

DC isolation voltage: 1500 V.

Contacts are applied on the edge of the ring core, which is also the critical point for the winding operation.



Ring core data

GRADE	A _L (nH)	$\mu_{\mathbf{i}}$	TYPE NUMBER
2P40 sup	41 ±10%	≈40	TN33/20/11-2P40
2P50 sup	51 ±10%	≈50	TN33/20/11-2P50
2P65 sup	67 ±10%	≈65	TN33/20/11-2P65
2P80 sup	82 ±10%	≈80	TN33/20/11-2P80
2P90 sup	87 +10/–15%	≈90	TN33/20/11-2P90

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DATA SHEET STATUS DEFINITIONS

DATA SHEET STATUS	PRODUCT STATUS	DEFINITIONS
Preliminary specification	Development	This data sheet contains preliminary data. Ferroxcube reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.
Product specification	Production	This data sheet contains final specifications. Ferroxcube reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.

DISCLAIMER

Life support applications — These products are not designed for use in life support appliances, devices, or systems where malfunction of these products can reasonably be expected to result in personal injury. Ferroxcube customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Ferroxcube for any damages resulting from such application.

PRODUCT STATUS DEFINITIONS

STATUS	INDICATION	DEFINITION
Prototype	prot	These are products that have been made as development samples for the purposes of technical evaluation only. The data for these types is provisional and is subject to change.
Design-in	des	These products are recommended for new designs.
Preferred		These products are recommended for use in current designs and are available via our sales channels.
Support	sup	These products are not recommended for new designs and may not be available through all of our sales channels. Customers are advised to check for availability.

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