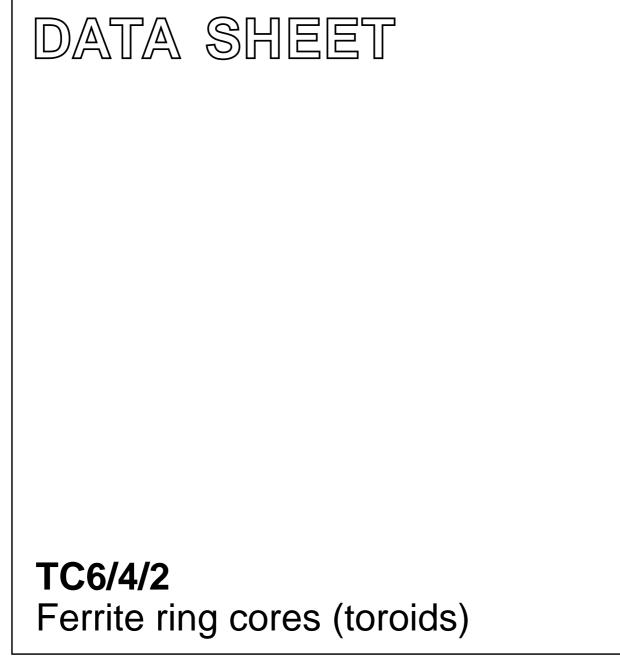
FERRITE CERAMICS



Product specification Supersedes data of 1998 July 06 File under Ferrite Ceramics, MA01 2000 Apr 20



Ferrite ring cores (toroids)

TC6/4/2

RING CORES (TOROIDS)

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
Σ(I/A)	core factor (C1)	7.75	mm ⁻¹
Ve	effective volume	30.2	mm ³
l _e	effective length	15.3	mm
A _e	effective area	1.97	mm ²
m	mass of core	≈0.15	g

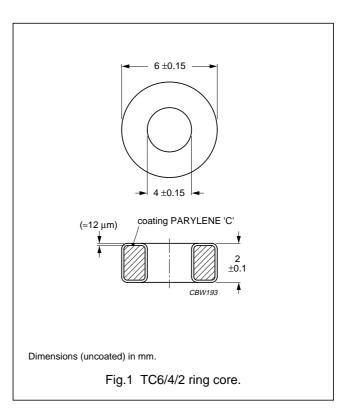
Coating

The cores are coated with parylene C, flame retardant in accordance with *"UL 94V-2"*; UL file number E 94133 (M).

Isolation voltage

DC isolation voltage: 1000 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)	μ	TYPE NUMBER
4C65	20 ±25%	≈125	TC6/4/2-4C65
4A11	114 ±25%	≈700	TC6/4/2-4A11
3S4 des	275 ±25%	≈1700	TC6/4/2-3S4
3F3	325 ±25%	≈2000	TC6/4/2-3F3
3E25	890 ±30%	≈5500	TC6/4/2-3E25
3E5	1380 ±30%	≈8500	TC6/4/2-3E5
3E6 des	1620 ±30%	≈10000	TC6/4/2-3E6

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DATA SHEET STATUS DEFINITIONS

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Preliminary specification	Development	This data sheet contains preliminary data. Philips Components 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. Philips Components reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.

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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.	