

DTSN-26 NANOPERM POWER INDUCTORS



APPLICATIONS:

DTSN chokes are based on tape wound cores based on the nanocrystalline softmagnetic material NANOPERM. Compared to chokes made of ferrite cores, the following benefits are achieved:

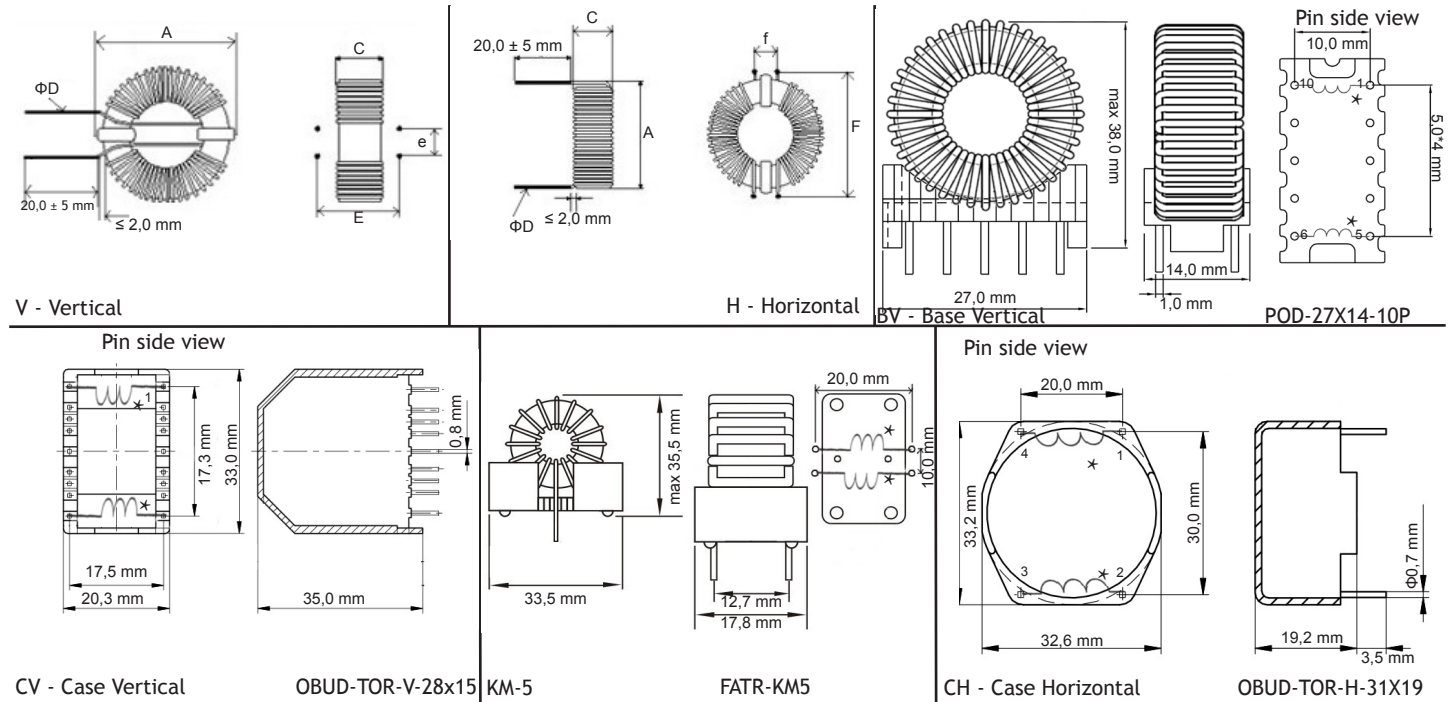
- very small build volume
 - advanced insertion loss
 - reduced copper loss,
 - higher max. component temp (120°C)
- Operating temperature range: -40...+70°C. The plastic materials fulfill UL-94 V0 and are UL listed.

ORDERING CODE:

DTSN - 26 / 220 / 1,0- -V

mounting: V - vertical, H - horizontal, BV - base vertical,
CV - case vertical, CH - case horizontal, KM-5 - case KM-5 type
rated current in Amps
inductance in mH@ $I_{DC} = 0A$
nanoperm core outer diameter
product symbol

DIMENSIONS:



Part number	Type - core dimension ($\pm 10\%$)							Mounting version					
	A [mm]	C [mm]	D [mm]	E [mm]	e [mm]	F [mm]	f [mm]	V	H	BV	CV	CH	KM-5
DTSN-26/220/1,0	28,0	14,0	0,35	17,0	6,0	28,0	7,5	✓	✓	✓	✓	✓	✓
DTSN-26/150/1,5	28,5	15,0	0,45	17,0	6,0	28,0	7,5	✓	✓	✓	✓	✓	✓
DTSN-26/100/2,2	29,0	15,0	0,53	17,0	6,0	28,0	7,5	✓	✓	✓	✓	✓	✓
DTSN-26/68/3,3	30,0	15,5	0,65	17,0	6,0	28,0	7,5	✓	✓	✓	✓	✓	✓
DTSN-26/47/5,0	31,5	16,0	0,80	17,0	6,0	28,0	7,5	✓	✓	—	—	—	✓
DTSN-26/33/6,3	31,5	16,0	0,90	17,0	6,0	28,0	7,5	✓	✓	—	—	—	✓
DTSN-26/22/7,8	31,5	16,5	1,00	17,0	6,0	28,0	7,5	✓	✓	—	—	—	✓

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ELECTRICAL PROPERTIES:

Part number	Lmax [mH]	I _{max} [A]	RDC [Ω]
DTSN-26/220/1,0	2x220	1,0	0,382
DTSN-26/150/1,5	2x150	1,5	0,214
DTSN-26/100/2,2	2x100	2,2	0,137
DTSN-26/68/3,3	2x68	3,3	0,085
DTSN-26/47/5,0	2x47	5,0	0,056
DTSN-26/33/6,3	2x33	6,3	0,047
DTSN-26/22/7,8	2x22	7,8	0,043

CHARACTERISTICS:

