

Product specification for Inductive Components

Form:
Revision: MF04.07 (F190)
02

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Client:	MAGNETEC	Magnetec P/N:	MB-684		
Client's p/n:	/	PS Index:	01	PS Revision:	01
Subject:	EMC Component				

1. Mechanical outline		Wiring diagram					
Top view 3,5±0,5 ≤30,5 ≤33 Marking Bottom view 4 3 1 2 25,4 30⁺⁰/_{-0,2} 15,24 20⁺⁰/_{-0,2} 1 4 N₁ N₂ 2 3							
2. Nominal values							
Core material:	NANOPERM®	High voltage strength:	Up,eff = 2,5 kV				
Nominal voltage:	250 Veff AC	Ambient temperature:	-40 ... +70 °C				
Nominal inductance:	2 x 3 mH	Max. operating temperature:	°C				
Nominal current:	20 A	Storage temperature:	-40 ... +85 °C				
Leakage inductances:	~2,5 µH	Design standard:	EN 60938-1				
No. of turns:	N1 = N2 = 7	Wire diameter:	1,8 mm				
Comments:							
3. Inspection values (at room temperature, unless otherwise stated)							
Measured value		Measuring limits	Measuring configurations				
Inductivity L1; L2 [mH]		1,96 - 4,36	f = 10 kHz	Ueff = 0,1 V			
Inductivity L1; L2 [mH]		0,63 - NA	f = 100 kHz	Ueff = 0,1 V			
Wire resistance Rcu1; Rcu2 [mOhms]		0 - 2,5	T = 23±3 °C				
HV strength between N1; N2		OK - NOK	Ueff = 2,5 kV	t = 2 s			
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4. Others							
Marking:	MAGNETEC MB-684-01 YM (YM = Year/Month), acc. to IEC 60062 6.1.1						
Packaging:	30 pcs. per layer, 4 layers per carton box; PU = 120 pcs.						
Comments:	Visit http://www.magnetec.de/fileadmin/pdf/pb_ds.pdf for further information.						
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