

Core RM4 TP4A AL=160nH

DIMENSIONES	
A	11.0+0/-0.5
B	5.25+- 0.1
C	4.5f +- 0.1
D	3.9+0/-0.2
F	8.15 +- 0.2
G	3.65+- 0.15
H	9.8+0/-0.4
I	5.8Pmin

CORE PARAMETERS	
Effective Length L_e	23.8mm
Effective Cross Area A_e	13.4mm ²
Minimum Cross Area A_{min}	11.34 mm ²
Effective Volume V_e	318.9mm ³
Approx. Weight W	1.58g/Prs



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ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	AL:160+5% nH/N ²	1kHz,0.3V,23 +3°C	HP4284
POWER LOSS	0.18W max	100kHz,200mT,100 +3°C	CH258
Q VALUE			HP4284
DC SUPERPOSITION L _{DC}			
IMPEDANCE Z			

MATERIAL CHARACTERISTICS

MATERIAL-TP4A

CHARACTERISTICS		UNIT	VALUE
INITIAL PERMEABILITY μ		-	2400 +25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m) B_s	25 ϵ	mT	510
	100 ϵ		390
REMANENT FLUX DENSITY B_r	25 ϵ /100 ϵ	mT	110 /60
COERCIVE FORCE H_c	25 ϵ /100 ϵ	A/m	13 /6.5
RELATIVE LOSS FACTOR $\tan\delta$ /ui	10KHz	10 ⁻⁶	
RELATIVE TEMP.FACTOR α uir		-	
CURIE TEMP. T_c		$^{\circ}C$	215
ELECTRICAL RESISTIVITY ρ		Ω	6.5
DENSITY d		kg/m ³	4.8h10 ³

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