

# FERRITA EP 20

## 1. DIMENSIONS (mm)

	DIMENSIONS (mm)	
	A	24.0±0.5
	B	10.7±0.2
	C	15.0±0.4
	D	8.8±0.3
	E	16.5±0.4
	F	7.2±0.2

CORE PARAMETERS	
Effective Length $L_e$	37.55 mm
Minimum Cross Area $A_{min}$	60.82 mm <sup>2</sup>
Effective Cross Area $A_e$	78.87 mm <sup>2</sup>
Effective Volume $V_e$	2961.33 mm <sup>3</sup>
Approx. Weight $W$	27 g/set

FERRITE CORE	TP4A-EP20	

2. ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	L:410±25% μH	1kHz,0.3V,23±3℃10Ts	HP-4284A
POWER LOSS	1.63W max	100kHz,200mT100±3℃	CH-258
Q VALUE			
DC SUPERPOSITION L <sub>DC</sub>			
IMPEDANCE Z			

3. MATERIAL CHARACTERISTICS

MATERIAL: TP4A

CHARACTERISTICS	UNIT	VALUE
INITIAL PERMEABILITY μ <sub>i</sub>	—	2400±25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m) B <sub>s</sub>	mT	510
		390
REMANENT FLUX DENSITY B <sub>r</sub>	mT	110
COERCIVE FORCE H <sub>c</sub>	A/m	13
RELATIVE LOSS FACTOR Tan δ /ui	—	
RELATIVETEMP.FACTOR α uir	—	
CURIE TEMP. T <sub>c</sub>	℃	215
ELECTRICAL RESISTIVITY ρ	Ω	6.5
DENSITY d	kg/m <sup>3</sup>	4.8×10 <sup>3</sup>
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