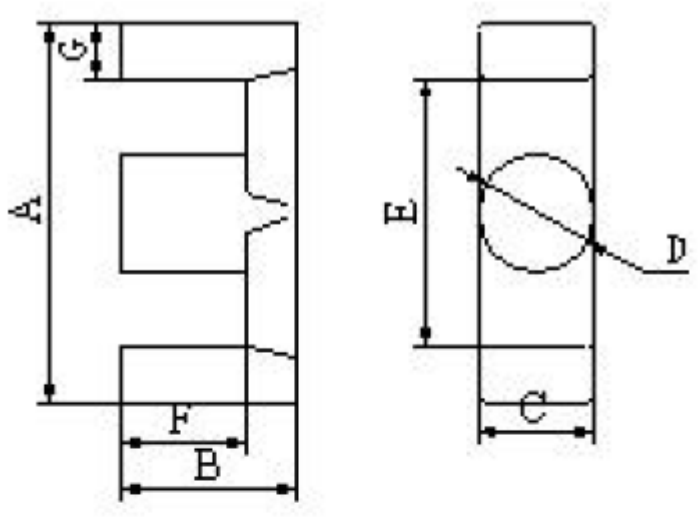


Core ER 1905 TP4A

	DIMENSIONS (mm)	
	A	19 ± 0.5
B	8 ± 0.3	
C	$5.6 + 0.2 / - 0.4$	
D	5.1 ± 0.2	
E	14.5 ± 0.5	
F	5.65 ± 0.2	

CORE PARAMETERS	
Effective Length l_e	39 mm
Effective Cross Area A_e	23.23 mm ²
Effective Volume V_e	916.9 mm ³
Approx. Weight W	5.1g/Prs

ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	AL=1200±25% nH/N2	1KHz 0.3V 23±3 °C 10Ts	HP4284 OR YD2810
POWER LOSS	PL:0.55 Wmax	100kHz,200mT 100±3°C	SY8232 OR CH258

MATERIAL CHARACTERISTICS

MATERIAL: TP4A

CHARACTERISTICS		UNIT	VALUE
INITIAL PERMEABILITY	μ_i	—	2400 ± 25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m)	Bs	mT (25/100°C)	510
			390
REMANENT FLUX DENSITY	Br	MT (25/100°C)	110/60
COERCIVE FORCE	Hc	A/m (25/100°C)	13/6.5
RELATIVE LOSS FACTOR	Tan δ /ui	—	
RELATIVE TEMP.FACTOR	α_{uir}	—	
CURIE TEMP.	Tc	°C	≥ 215
ELECTRICAL RESISTIVITY	ρ	Ω	6.5
DENSITY	d	kg/m ³	4.8 × 10 ³