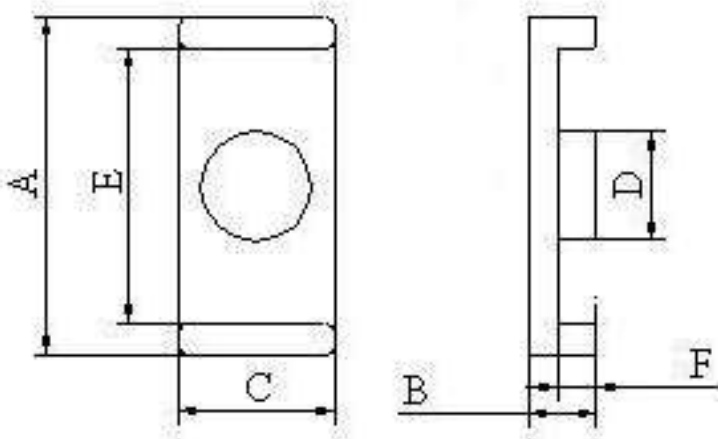


## Lj ER5038-TP4A

### 1. DIMENSIONS (mm)

	DIMENSIONS (mm)	
	A	$50.2 \pm 0.81$
	B	$9.5 \pm 0.15$
	C	$38.1 \pm 0.6$
	D	$19.8 \pm 0.25$
	E	41.7min
	F	4min

CORE PARAMETERS	
Effective Length $L_e$	59.2 mm
Effective Cross Area $A_{min}$	$293\text{mm}^2$
Effective Volume $V_e$	$20580 \text{ mm}^3$
Approx. Weight $W$	100g/Prs

Item:	P/N:	SPEC. /N
FERRITE CORE		M722982-A

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	<b>L: 1250±25% μ H</b>	1kHz,0.3V,25°C 10TS	HP-4284
POWER LOSS	<b>PL:10.7W max</b>	100kHz,200mT 100°C	CH-258

MATERIAL: TP4A

CHARACTERISTICS	UNIT	VALUE
INITIAL PERMEABILITY $\mu_i$	—	2400 ± 25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m) $B_s$	mT (25°C/100°C)	510
		390
REMANENT FLUX DENSITY $B_r$	mT (25°C/100°C)	110/60
COERCIVE FORCE $H_c$	A/m (25°C/100°C)	13/6.5
CURIE TEMP. $T_c$	°C	≥215
ELECTRICAL RESISTIVITY $\rho$	Ω	6.5
DENSITY $d$	kg/m <sup>3</sup>	4.8 × 10 <sup>3</sup>
Item:	P/N:	SPEC. /N
FERRITE CORE		M722982-A