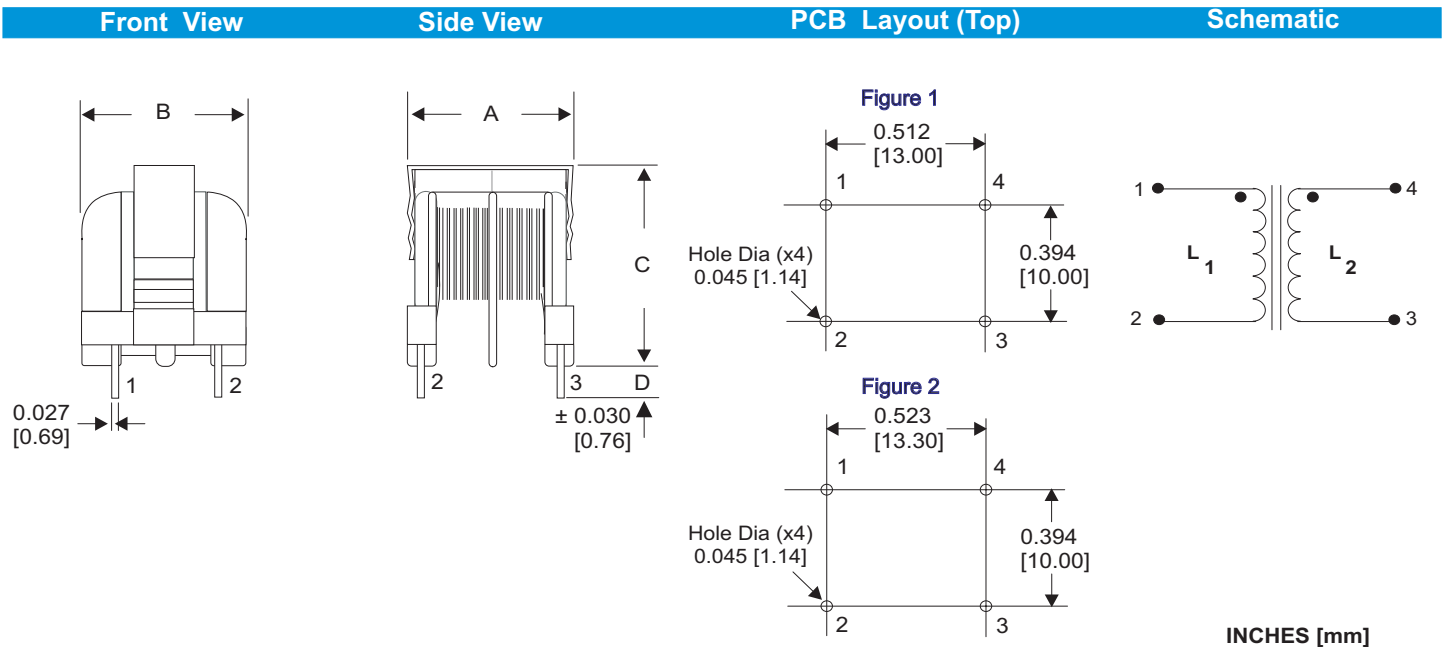




**MAX. DIM :**  
**L = 19.05 mm**  
**W = 17.00 mm**  
**H = 22.50 mm**

- Frequency range from 50 KHz to 500 KHz.
- Current ratings up to 2 Amp.
- Excellent attenuation in common mode.
- Inductance values from 0.6 mH to 36 mH.
- Leakage Inductance less than 10% of inductance value.
- 3 mm of creepage between windings.
- Parts meet UL, IEC950 & VDE safety standards.

### MECHANICAL SPECIFICATIONS



### ELECTRICAL SPECIFICATIONS

#### MEDIUM Z RANGE - UU10 7K

YATA PART NUMBER	RoHS PART NUMBER	L(mH) <sup>1</sup> min.	Freq. (KHz)	DCR (Ω) max.	I <sub>rms</sub> (Amp) <sup>2</sup> max.	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm	PCB LAYOUT
U10008		0.60	1.0	0.150	2.00	0.750 / 19.05	0.650 / 16.51	0.860 / 21.84	0.185 / 4.70	FIG. 1
	U10009**	0.90	1.0	0.120	2.50	0.748 / 19.00	0.650 / 16.51	0.780 / 19.81	0.138 / 3.51	FIG. 2
U10012		2.00	1.0	0.400	1.00	0.748 / 19.00	0.669 / 17.00	0.886 / 22.50	0.170 / 4.32	FIG. 1
U10013		10.00	1.0	0.770	0.60	0.750 / 19.05	0.650 / 16.51	0.866 / 22.00	0.170 / 4.32	FIG. 1
U10001		14.00	10.0	1.400	0.51	0.740 / 18.80	0.650 / 16.51	0.860 / 21.84	0.180 / 4.57	FIG. 1

#### HIGH Z RANGE - UU10 10K

YATA PART NUMBER	RoHS PART NUMBER	L(mH) <sup>1</sup> min.	Freq. (KHz)	DCR (Ω) max.	I <sub>rms</sub> (Amp) <sup>2</sup> max.	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm	PCB LAYOUT
U10014		3.00	1.0	0.200	1.00	0.750 / 19.05	0.650 / 16.51	0.860 / 21.84	0.180 / 4.57	FIG. 1
	U10016	5.50	1.0	0.245	1.40	0.750 / 19.05	0.660 / 16.76	0.860 / 21.84	0.185 / 4.70	FIG. 1
U10005*	U10L05*	6.00	1.0	0.500	0.90	0.750 / 19.05	0.650 / 16.51	0.860 / 21.84	0.185 / 4.70	FIG. 1
U10015*		8.20	1.0	0.310	0.70	0.750 / 19.05	0.650 / 16.51	0.860 / 21.84	0.180 / 4.57	FIG. 1
U10010**		36.00	1.0	1.920	0.45	0.748 / 19.00	0.650 / 16.51	0.780 / 19.81	0.138 / 3.51	FIG. 2

\*2.2 mm of creepage between windings.

\*\*Bobbin has 4 sections.

1. Inductance tested at 0.25 V.
2. Temperature rise is 40°C Typ.
3. Operating Temp. range -40° to +105°C.
4. OCL and DCR tested at Ta=25°C.