

- ※Excellent return loss and balance
- ※Surface mount or through hole package
- ※Supplementary insulation
- ※For RoHS part add suffix NL
- ※RoHS NL peak solder rating 235°C



Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Turns Ratio	Insertion Loss (dB MAX)	Return Loss (dB MIN)	Longitudinal Balance (dB TYP)	Isolation Voltage (Vrms)
LPA4006(THT)	1:1	200 KHz to 400 KHz: 0.75	200 KHz to 18 MHz: 20	200 KHz: 60	3000
		400 KHz to 30 MHz: 0.50	18 MHz to 30 MHz: 14	11 MHz: 50	
LPA4023(THT)	1:1CT	200 KHz to 20 MHz: 0.50	200 KHz to 18 MHz: 17	100 MHz: 40	
		20 MHz to 30 MHz: 0.75	18 MHz to 30 MHz: 13	200 KHz: 60	3000
LPA4004(SMT)	1CS:1CS	200 KHz to 11 MHz: 1.00	200 KHz: 10	11 MHz: 50	
			400 KHz: 16	2 MHz: 40	1500
			4 MHz: 16	11 MHz: 40	
			11 MHz: 10		

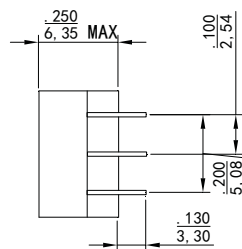
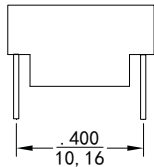
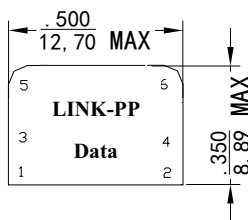
NOTES: Temperature range: -40°C to +80°C. Insertion loss increases by up to 1 dB at the extreme temperatures. Impedance for test: 100 Ω or 135 Ω. Small difference in return loss will occur.

Surge Voltage Capability: Metallic: 800 Vpeak 10/560 μsec. Longitudinal: 2400 Vpeak 10/700 μsec. Products are designed to meet the requirements for supplementary insulation according to IEC950. Common Mode Chokes to reduce common mode ingress from AM Broadcast or HAM Radios are available. See LPA4001 & LPA4003

Mechanicals

Schematics

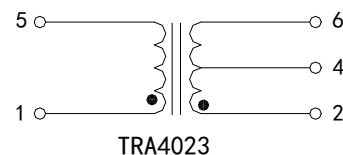
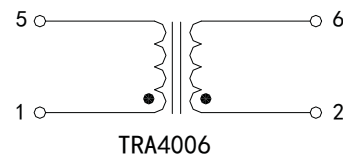
LPA4006/LPA4023



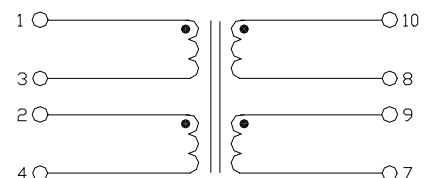
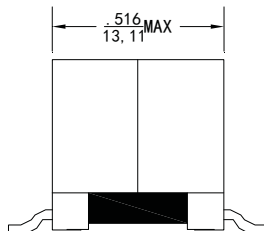
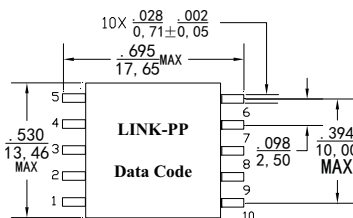
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,

all tolerances are $\pm \frac{.010}{0,25}$



LPA4004



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,

all tolerances are $\pm \frac{.010}{0,25}$

