

- ※For use with Broadcom's BCM6315 LPAnseiver chip
- ※LPA4020, LPA4021 and LPA4055: for use with Texas Instrument's TNETD800 chipset
- ※For RoHS part add suffix NL
- ※RoHS NL peak solder rating 235°C



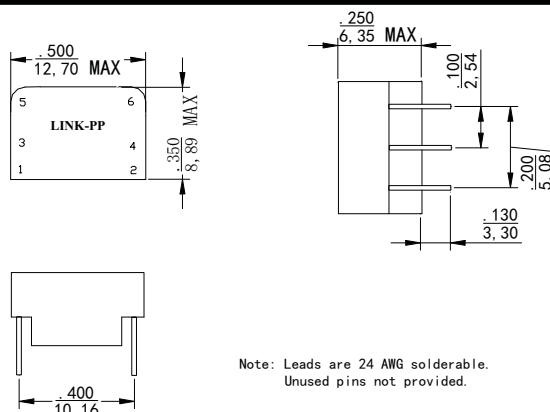
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Turns Ratio	Inductance (μH MIN)	Return Loss (dB MIN)	Insertion Loss* (dB MAX)	Line Impedance (Ω)	Longitudinal Balance (dB TYP)	CM Rejection (dB TYP)	Isolation Voltage (Vrms)
LPA4020 (THT)	1:1	190	300 KHz to 1 MHz: 18	200 KHz to 1 MHz: 0.8	100	200 KHz: 60	10 MHz: 35	3000
			1 MHz to 11 MHz: 20	1 MHz to 30 MHz: 0.7		11 MHz: 42	30 MHz: 33	
			11 MHz to 30 MHz: 16			100 MHz: 30	100 MHz: 25	
LPA4055 (SMT)	1:1	190	300 KHz to 20 MHz: 20	200 KHz to 400 KHz: .75	100	200 KHz: 60	10 MHz: 35	1500
LPA4021 (SMT)	1:1		20 MHz to 30 MHz: 18	200 KHz to 30 MHz: .50		11 MHz: 50	30 MHz: 33	
						100 MHz: 40	100 MHz: 30	
LPA4056 (SMT)	1:1.16	190	300 KHz to 1 MHz: 15	200 KHz to 400 KHz:0.75	135	200 KHz: 60	10 MHz: 35	1500
			1 MHz to 20 MHz: 20	400 KHz to 30 MHz: 0.60		11 MHz: 50	30 MHz: 33	
			20 MHz to 30 MHz: 17			100 MHz: 40	100 MHz: 30	

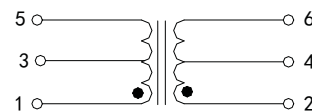
NOTES - Surge Voltage Capability: Metallic: 800 Vpeak 10/560 μsec. Long.: 2400 Vpeak 10/700 μsec. LPA4020 is designed to meet the requirements for supplementary isolation according to IEC950. Common Mode Chokes to reduce common mode ingress from AM Broadcast or HAM Radios are available. See LPA4001 & LPA4003

Mechanicals

LPA4020



Schematics

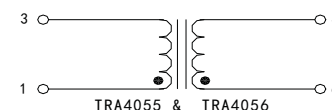
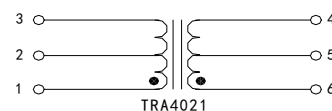
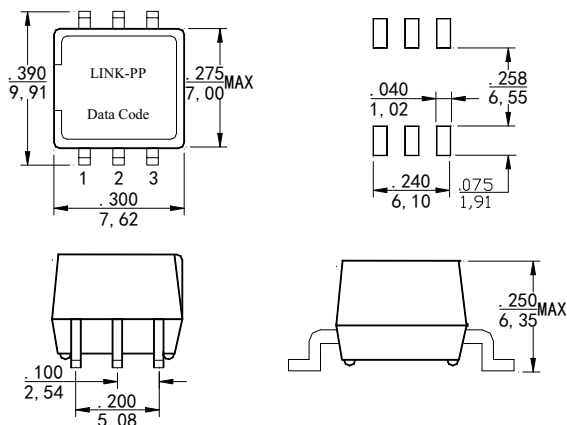


Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified ,

all tolerances are $\pm \frac{.010}{0.25}$

LPA4021/LPA4055/LPA4056



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

Unless otherwise specified ,

all tolerances are $\pm \frac{.010}{0.25}$