

VDSL LPAnsfomers

Link-PP Int'l Technology

※Designed for Broadcom® BCM 6010/6020

※For RoHS part add suffix NL

※RoHS NL peak solder rating 235°C



Electrical Specifications @ 25°C —Operating Temperature 0°C to 70°C

Part Number	Turns Ratio		DCR (MAX)	Return Loss (dB MIN)	Insertion Loss* (dB MAX)	LPAnshybrid Loss (dB MIN)	Longitudinal Balance (dB MIN)	Isolation Voltage (Vrms)
	TX	RX						
LPA4008(THT)	2:1	1:1	0.5 Ω	138 KHz to 1 MHz:13.5	138 KHz to 20 MHz: 0.5	138 KHz to 1 MHz:30	138 KHz to 300 KHz:60	2000
LPA4025(SMT)				1 MHz to 20 MHz:20		1 MHz to 20 MHz:25	300 KHz to 1 MHz: 50	

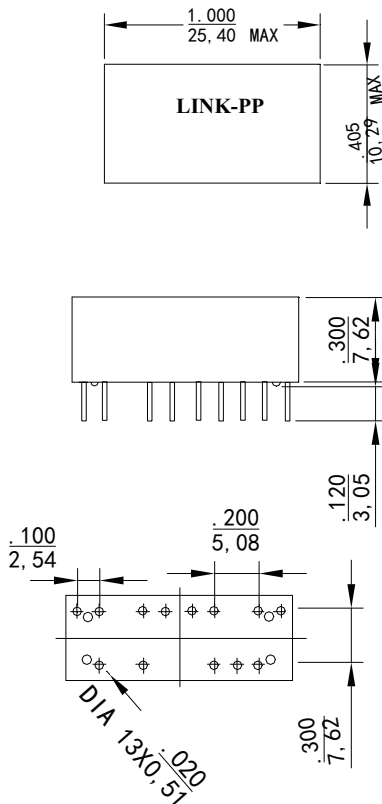
NOTE: Common Mode Chokes to reduce common mode ingress from AM Broadcast or HAM Radios are available. See P/N LPA4001 & LPA4003.

Surge Voltage Capability: Metallic: 800 Vpeak 10/560 usec. Long.:2400 Vpeak 10/700 μsec.

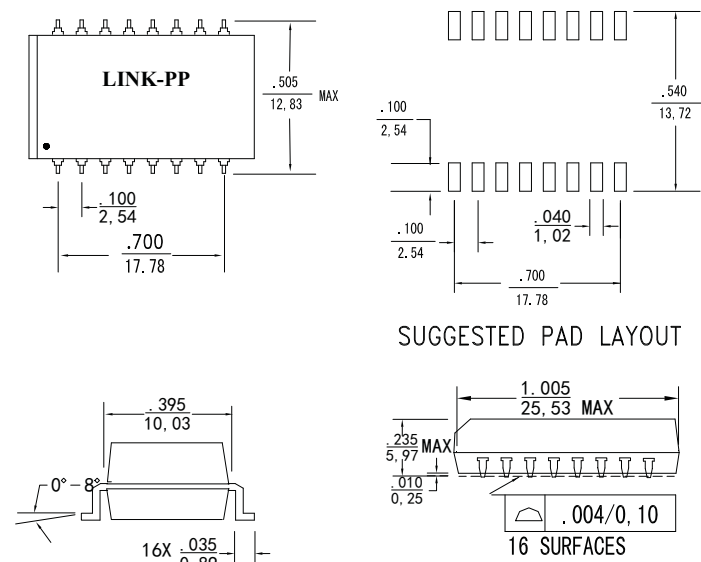
Surge over the Extended Temperature Range: Insertion Loss can increase to 1 dB. Return Loss can drop to 7 dB from 138 KHz, to 300KHz and 12 dB from 300 KHz to 1 MHz.

Mechanicals

LPA4008



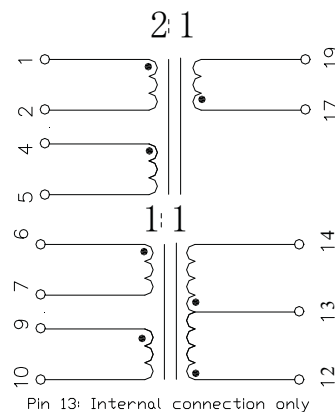
LPA4025



SUGGESTED PAD LAYOUT

Schematics

LPA4008



LPA4025

