

VDSL LPAnformers

Link-PP Int'l Technology

- ※Designed for Broadcom®BCM 6010/6020
- ※Hybrid LPAnformer provides two – wire to four - wire conversion
- ※Extended bandwidth
- ※Surface mount device
- ※Meets international safety regulations for telecom
- ※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		DCR (MAX)	Return Loss (dB MIN)	Insertion Loss (dB MAX)	LPAnshybrid Loss (dB MIN)	Longitudinal Balance (dB TYP)	Isolation Voltage (Vrms)
	TX	RX						
LPA4030	2:1	1:1	0.5 Ω	138 KHz to 300 KHz: 8	138 KHz to 30 MHz: .7	138 KHz to 20 MHz: 30	138 KHz to 300 KHz: 60	2500
--	--	--	--	300 KHz to 1 MHz: 13.5	--	20 MHz to 30 MHz: 25	300 KHz to 1 MHz: 50	---
--	--	--	--	1MHz to 10 MHz: 20	--	--	1MHz to 10 MHz: 45	---
--	--	--	--	10 MHz to 20 MHz: 13.5	--	--	10 MHz to 30 MHz: 40	---
--	--	--	--	20 MHz to 30 MHz: 8	--	--	--	---

NOTES:

- 1.LPA4030 complies with the safety regulations of IEC950 for supplementary insulation.
- 2.Surge Voltage Capability – Metallic: 800 Vpeak, 10/560 μsec; Longitudinal: 2400 Vpeak, 10/700 μsec.
- 3.Extended Temperature Range – Insertion loss will increase approximately 0.5 db from 138 KHz to 1 MHz. Return loss will decrease to 5 dB TYP @ 138 KHz and 10 dB TYP @ 300 KHz.
- 4.Common mode chokes to reduce ingress from AM radio broadcast or HAM radio are available. See LPA4001 & LPA4003.

Mechanicals

Schematics

LPA4030

