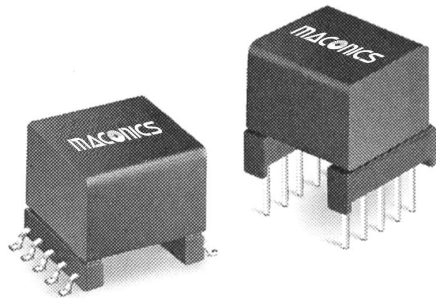


ADSL LINE TRANSFORMERS



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

Part Number	Mounting	Application	Turns Ratio (1-4):(10-7) (± 2%)	OCL @ 10 KHz, 0.1 V (1-4) with 2-3 shorted	Leakage Inductance @ 100 KHz, 0.1 V (MAX) (1-4) with 2-3, 8-9, 10-7 shorted	Longitudinal Balance (10 KHz - 1.1 MHz)
BD3247	THT	ADSL	1:1.1	1.75 mH	7.5 µH	50 dB MIN
BD3248	SMT	ADSL	1:1.1	1.75 mH	7.5 µH	50 dB MIN

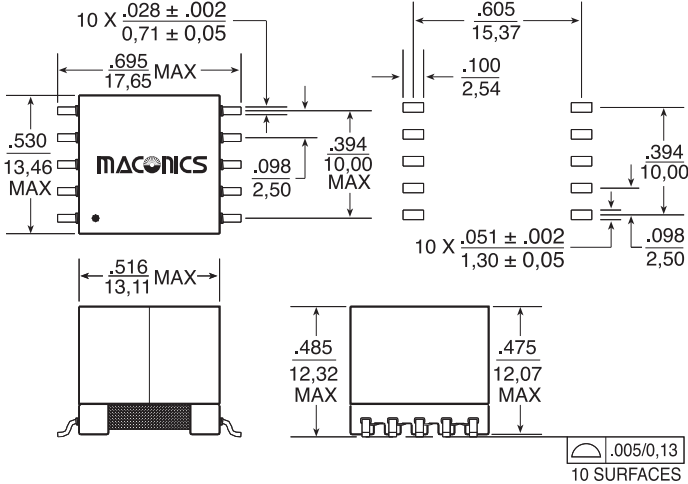
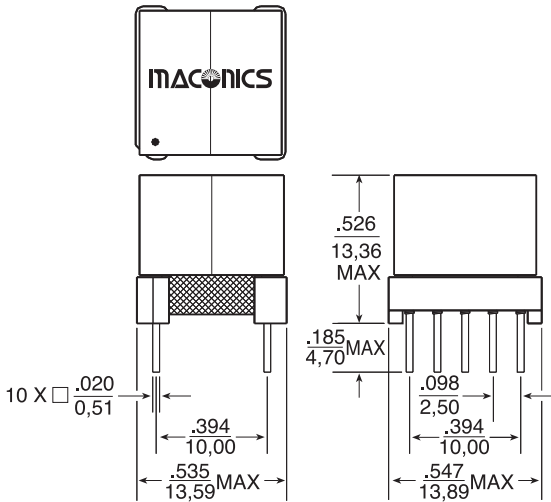
Additional Specifications

Part Number	THD Typical (Linearity)	DC Resistance (- MAX)		Isolation Voltage (Vrms)	Insertion Loss (dB @ 300 KHz)
BD3247	-80 dB @ 30 KHz	1.5 (1-4) with (2-3) short	1.3 (10-7) with (8-9) short	1500	<0.5
BD3248	-80 dB @ 30 KHz	1.5 (1-4) with (2-3) short	1.3 (10-7) with (8-9) short	1500	<0.5

Mechanical

BD3247

BD3248



Schematic

