

HDSL Line Interface Transformers

Available in Thru-hole and Surface Mount Versions

Operating Temperature
Range -40°C to +85°C

Primary is Line Side
Secondary is Chip Side

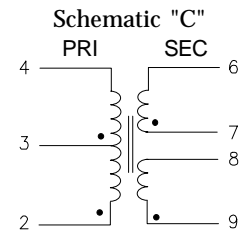
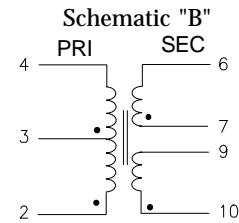
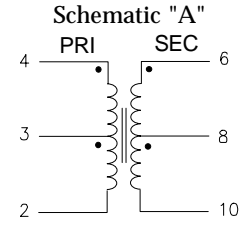
Surge Voltage Capability

Metallic
Voltage: 800 V peak, 10/700 μS
Longitudinal
Voltage: 2400 V peak, 10/560 μS

Manufacturer Name	I.C. P/N	Bit Rate	Transformer P/N
Brooktree	BT8921	784	T-882
Brooktree	BT8921	1168	T-883
Brooktree	BT8952	784	T-718
Brooktree	BT8952	1168	T-717
Level One	SK7074	784	T-977
Level One	SK7074	1168	T-848

Electrical Specifications at 25°C

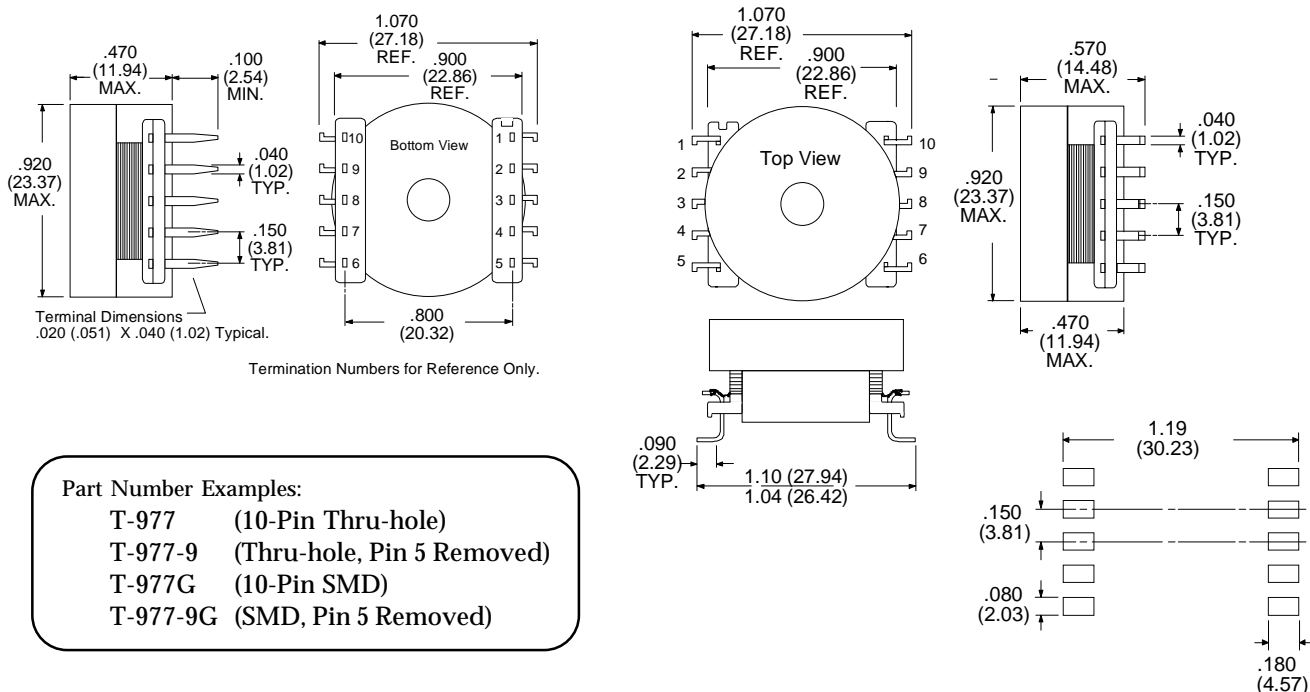
Parameter	T-977	T-848	T-718	T-717	T-882	T-883	Units
Turns Ratio ⁽¹⁾	1:1.8	1:1.8	2:1:1	2:1:1	1:1:1	1:1:1	
Inductance ⁽²⁾	2.75	2.06	3.00	2.00	3.00	2.00	mH
DC Resistance Pri	3.0	2.0	2.2	2.2	2.2	2.2	Ω
DC Resistance Sec	3.2	2.0	4.4	4.4	2.2	2.2	Ω
D.C. Current	75	75	160	160	70	70	mA
Longitudinal Balance	50	50	55	55	55	55	dB
Return Loss	20.0	16.5	20.0	16.5	20.0	16.5	dB
Harmonic Distortion	-75	-75	-75	-75	-75	-75	dB
Isolation	2000	2500	1500	1500	1500	1500	V _{RMS}
Schematic Style	A	B	C	C	C	C	



1. Chip Side (Primary) to Line side (Secondary)
2. Line side
3. For all parts, unused Pin # 5 can be removed for keying to printed circuit board. **Add suffix "-9"**

Refer to Individual Data Sheets for test conditions & additional information

RS2311 Package Dimensions in inches (mm)



Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

HDSL-RS-4/99