



**NEW TELELINE ECONOMY PRODUCTS**  
**7501-06B, 751329A, & 751228A**  
**T1 Carrier Two-wire and Four-wire Units**

**Table 1 Electrical Specification (measured at 77°F or 25°C)**

Parameter	Specifications
<b>ISOLATION DATA</b>	
Isolation Resistance	100 000 ? O
Metallic Surge	3 kV MAX
Insulation voltage	50 kV rms ( 70 k V pk)
<b>INPUT VOLTAGE REQUIREMENT</b>	
none	
<b>POWER DISSIPATION</b>	
none	
<b>TRANSMISSION DATA :</b>	
Crosstalk (between TX and RX pairs @ 750 kHz)	Better than -35 dB measured at + 10 dBm
Maximum signal level	Up to + 10 dBm with less than 2% harmonic distortion
<b>NOISE</b>	
2 to 100 Hz	-60 dBm
Voice Band (C weighted message)	< 5 dBrc
Phase jitter	< 0.5°, 300 to 3400 Hz
Impulse noise	Less than 1 count above 48 dBrc in 30 minutes
<b>SIGNAL</b>	
Insertion loss (@ 100 kHz, 0 dBm)	< 1 dB
Insertion loss (@ 1.544 MHz, 0 dBm)	< 1 dB
Bandwidth ( -3 dB )	2 kHz to 5 MHz
<b>Maximum Operating Voltage</b>	
Across Tip and Ring	± 11.2 Vpk, 7.9 Vrms
Tip to GND or Ring to GND	± 5.6 Vpk, 3.9 Vrms

**Table 2 Physical Specifications for the Carrier Units**

PARAMETER	Specification
Operating temperature range	<b>-4°F to + 149°F (-20°C to +65°C)</b>
Plug-in units Height	12" ( 30.5 cm )
Plug-in units Width	2" ( 5.08 cm )
Plug-in units Depth	7-7/16" (18.9 cm )
Plug-in units Weight	1.7lbs ( 0.7 kg )
Standalone unit Height	13.5" ( 34.29cm )
Standalone unit Width	11-5/16" ( 28.734 cm )
Standalone unit Depth	5-9/16" (14.129 cm )
Standalone unit Weight	9.0lbs ( 4.1 kg)

**For more information on our products, please contact:**  
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