

621156 Type 239 Line Repeaters

621156 T1 Line Repeater

The line repeater consists of one dual PCM regenerator, which functionally is two DS1 pulse regenerators; surge and lightning protection; and the option switches for power configuration and fault locating.

The repeater has two provisionable options; a power option and a fault locating option. These options are set by switches on the unit. The power option selections are THRU and LOOP. The fault locating selections are STD/COM and OS/SEP



Features

- Protected
- Temperature-hardened
- Miniature
- Low-power
- Surge and lighting protection
- Bidirectional
- Part of T1 PCM
- Optional green light for power applied to unit

Physical Specifications

Height	2.6" (6.6 cm)
Width	0.8" (2.0 cm)
Depth	6.4" (16.3 cm)
Weight	0.6 lb (0.3 kg)

Specifications

Current	Range: 57 mA to 200 mA Recommended: 60 mA \pm 3 mA
Voltage drop	7.2 to 8.1 V
Nominal ALBO compensation range	Cable loss of 0 to 35 dB at 772 KHz
Bipolar output pulse specification	Pulse amplitude: 2.4 V to 3.00 V Pulse width: 324 nsec \pm 30 nsec Positive-to-negative unbalance Amplitude unbalance: 0.15 V maximum Width unbalance: 15.0 nsec maximum Pulse rise and fall time: 100 nsec
Induction immunity	Withstands induced 60 Hz current of up to 300 mA peak-to-peak at 60 mA line current
Temperature	-40° to 85° C (inside housing)

With Charles Industries, You Can Depend On:

- Field-proven, high-performance and unequalled technical support
- A 24-hour technical service at (800) 607-8500
- Training courses covering fundamentals, engineering, installation and troubleshooting

Visit our website at <http://www.charlesindustries.com>



Charles Industries, Ltd.
Telecommunications Group
5600 Apollo Drive
Rolling Meadows, IL 60008

Telephone (US): (847) 806-6300
FAX: (847) 806-6231
E-Mail: mktserv@charlesindustries.com

 Charles is a trademark of Charles Industries, Ltd.

D-OSP022-E99