

DESCRIPTION

Radiant Communications T3/E3 Transceiver provides transmission over fiber between two DS-3, G.703 conforming devices. Transmission distances up to 100 km and greater are available for both one and two fiber versions. The Series DL404 (2 fibers) and DL404A (one fiber) transceiver handles all industry standard encoding schemes - AMI, B8ZS and HDB3. There are selectable settings for different line lengths plus built-in diagnostic indicators.

DL404/404A: T3/E3 Fiber Optic Transceiver

BENEFITS

- Extend T3/E3 over Fiber
- Distances up to 100+ km
- Selectable Line Lengths
- Conforms to Industry Standards

FEATURES

- One and Two Fiber Options
- Low Jitter
- Singlemode and Multimode
- Built-in Diagnostics



**Radiant
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8/2007

DL404/404A T3/E3 Fiber Optic Transceiver

SPECIFICATIONS

Data Rates

T3 44.7 Mb/s
E3 34.4 Mb/s

Standards

ANSI T1.102-1993, G.703
TR-TSY-000499

INTERFACES

T3 AMI, B8ZS
E3 HDB3
802.3ab, 10 Base-T, 100 Base-T, 1000Base-T,
1000Base-SX/LX

Connector

Electrical BNC (75 Ohms)

System BER

(1 x 10)⁻¹⁰ max

Optical

Wavelength: 850 nm, 1310 nm, 1550 nm, CWDM, DWDM
Number of Fibers: 1 or 2
Optical Connector: SC/APC, SC, FC, FC/APC

General Characteristics

Humidity: 95% (non condensing)
Power: 10W @ 90 to 240V AC
Operating Temp: 0° to 50° C
Size: DL404A 17.0" W x 10.0" D x 3.5" H
DL404 7.4" W x 9.8" D x 2.7" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DL404/MM-XY8	Media Converter, 2 Fibers, Multimode 850 nm	9 dB	2 km
DL404/SM-XY8	T3 Fiber Optic Transceiver, 2 Fibers, 1310 nm	9 dB	30 km
DL404/SMHP-XY8	T3 Fiber Optic Transceiver, 2 Fibers, 1310 nm	18 dB	30 km
DL404/SMUP-XY5	T3 Fiber Optic Transceiver, 2 Fibers, 1550 nm	28 dB	30 km
DL404A/SM-XY3	T3 Fiber Optic Transceiver, 1 Fibers, 1310 nm	9 dB	0- 30 km
DL404A/SMHP-XY3	T3 Fiber Optic Transceiver, 1 Fibers, 1310 nm	18 dB	20 50 km
DL404A/SMSP-XY3	T3 Fiber Optic Transceiver, 1 Fibers, 1310 nm	28 dB	50 –80 km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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