

# OSIRIS DS-3 Mapper Units

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## Overview



The Positron OSIRIS Multi-service Platform (MSP) is an integrated access solution for the rapidly expanding synchronous optical network (SONET) broadband markets. It delivers the most cost-effective, compact and simple-to-deploy solution for multiservice traffic such as data, voice and video.

## DS-3 Mapper Technology

The OSIRIS solutions are designed to map various types of signals over a fiber ring. The DS-3 mapper maps one clear-channel DS-3 signal (44.736 Mbps) onto an STS-1 of a SONET ring.

## Key Benefits

- Capability to carry asynchronous transfer mode (ATM) traffic
- Ability to carry video
- Remote circuit testing and loopback
- Performance monitoring on DS-3 lines
- Failure detection
- 1:3 equipment protection in OSIRIS STD, OSIRIS XTD and OSIRIS XTS shelves
- 1:1 equipment protection in OSIRIS Micro Shelf and OSIRIS Micro Wallmount Unit (WMU)

## Technical Specifications

### Electrical Interface

Connector	BNC
<b>Line Build-out</b>	
Short Reach	728A/734A coax cable, 0–50 ft (0–15 m)
Long Reach	728A/734A coax cable, 50–450 ft (15–137 m)
Line Code	B3ZS
Line Impedance	75 ohms $\pm$ 5% resistive
Line Rate	44.736 Mbps
Return Loss	Better than 26 dB (with test load 75 ohms $\pm$ 5% resistive)

### Physical

	Mapper Slot(s)	Protection Slot(s)
OSIRIS STD Shelf	5–7	8
OSIRIS XTD Shelf	1–3, 5–7, 9–11, 19–21	4, 8, 12, 22
OSIRIS XTS Shelf	1–3, 5–7	4, 8
OSIRIS Micro Shelf DS-3	1	2
OSIRIS Micro WMU DS-3	1	2

### General

<b>LEDs</b>	1 for card status (initializing, normal, alarm, or failure)
<b>Power Consumption (maximum)</b> Per DS-3	4 watts
<b>Compliance</b> Safety	EN60950; UL 1950, 3rd Edition, CSA C22.2, No. 950

Product Code	CPR	ECI/Bar Code	CLEI Code	Description
800330/3	F70349	217058	SNCDV203AA	DS-3 mapper, 1 channel (DS-3M)

## Ordering Information

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