

Service the industry with high-performance & cost-effective solutions

Part Number: 125/0166A

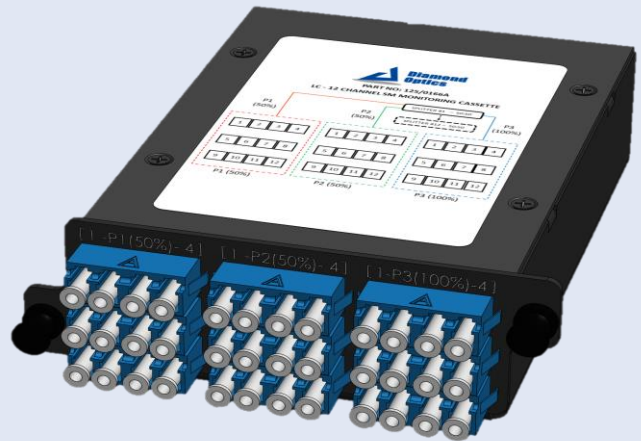
PRODUCT DETAILS

The Diamond Optics optical monitoring cassettes are used for monitoring optical signals in carrier network. This specially designed cassette with high performance splitters (split ratio, 50:50) and Single Mode low loss LC connectors (Telstra 'A' Grade) enable the carriers to monitor up to 12 data transmission channels with each modular plug and play cassettes. These easy plug & play splitter cassettes/modules comes fitted to our 1 RU high density sub racks. The Diamond Optics high density modules allow for connectivity within the main sub-rack PN 125/0100 to be realized with ease. Modules of various capacities and designs are offered to allow for full flexibility within a customer's network design requirements. Optical performance criteria on the standard product is of the lowest possible loss or excess loss in connectivity and coupling. All standard cassettes meet Telstra Grade A optical performance criteria (I.L. <0.15dB randomly mated) and Telstra component performance requirements unless otherwise specified.

FEATURES

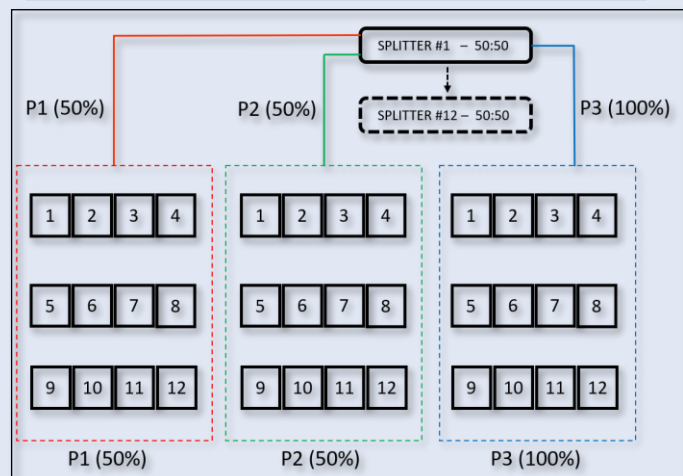
- Modular Cassettes up to 36 LC capacity with 12 channel 50:50 splitters.
- Plug and Play modules on to 1 RU high density sub racks.

1RU LC 12 CHANNEL MONITORING CASSETTE



- Fully loaded with Telstra Grade A connectors.
- Low loss ½ splitters with 50:50 split ratio, Insertion Loss @ 1310/1550nm ≤3.2dB.
- Optional splitters configurations LC-LC, MTP to LC, MTP to SC etc.
- Allows modularity in functionality for optics services.
- IEC Grade A connectivity with very high tolerance devices.
- Front access for all devices.
- Rear access for MTX or MTP Elite connections.
- Optional RFID cable management system available.
- Designed and manufactured in Australia.

INTERNAL WIRING DIAGRAM



High Density Modular Sub-Rack System – 1RU Cassettes

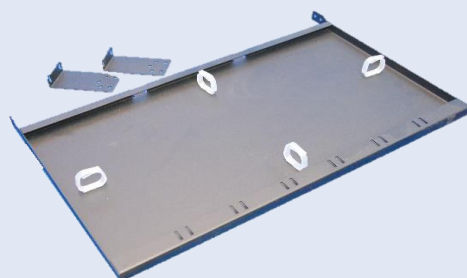
TECHNICAL PARAMETERS

Operating Wavelengths	1310 and 1550nm
Operating Bandwidth	1270 ~ 1590nm
Fibre Type	G652D
Return Loss	> 55 dB
Insertion Loss (dB) / Split Ratio	50:50 \leq 3.2/3.2
Polarization Dependent Loss (PDL)	\leq 0.10dB
Temperature Dependent Loss (TDL)	\leq 0.10dB
Typical Excess Loss	0.07dB
Power Handling	< 1000 mW (+30dBm)
Directivity	\geq 55dB
Operating Wavelength Window	\pm 15nm
Storage Temperature	-40 ~+85°C
Operating Temperature	-40 ~+85°C

RELATED PRODUCTS



1RU High Density Sub-rack



Rear Fibre Management Extension Tray