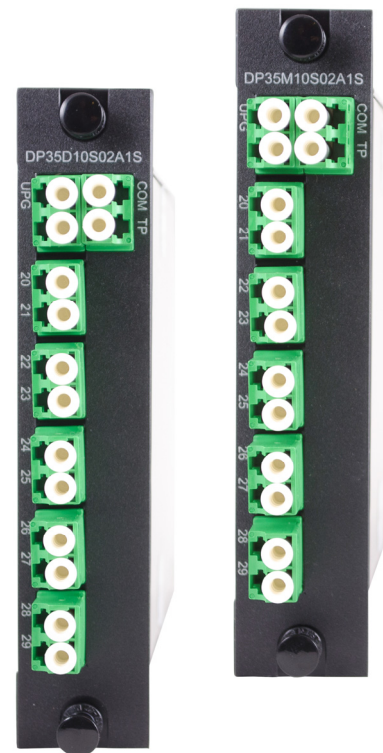


Optical Passives (ISP)

DP35M10, DP35D10 (C-Series)
10-channel ISP DWDM Mux/Demux

FEATURES

- 10-channel optical multiplexer and demultiplexer modules
- LGX chassis-compatible for ISP inside plant controlled indoor environments
- 100 GHz DWDM ITU channel spacing (ITU-T G694.1)
- UPG upgrade port for future services expansion via DWDM
- Bidirectional TP -20 dB line monitoring tap off COM port
- LC/APC or LC/UPC optical connectors

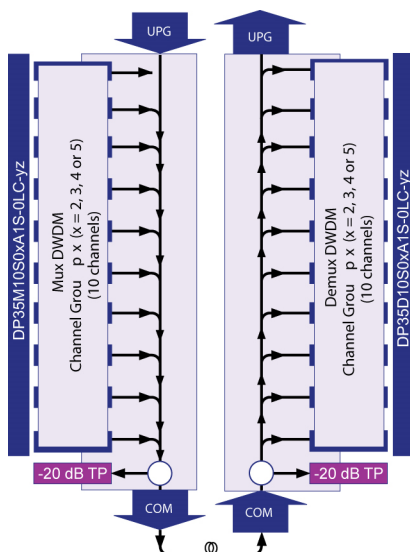


PRODUCT OVERVIEW

ARRIS DP35M10 and DP35D10 ten-channel DWDM optical mux and demux modules are intended for applications in controlled indoor environment.

DP35M10 and DP35D10 are respectively designed to multiplex and demultiplex 10 DWDM wavelengths (ITU 20-29, 30-39, 40-49 or 50-59) with 100 GHz frequency spacing on the DWDM ITU Grid (ITU-T G.694.1). The DP35M10 and DP35D10 also have an UPG upgrade port for daisy-chain cascading of additional DWDM wavelengths, as well as a bidirectional TP -20 dB line monitoring tap (SC/APC). LC/APC or LC/UPC connectors are provided for all other ports.

These ISP headend modules are compatible with industry-standard LGX chassis.



SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	6.5" D x 5.1" H x 1.0" W (16.5 cm x 13 cm x 2.6 cm)
Weight	1.5 lbs (0.7 kg)
Environmental	
Operating temperature range (indoor)	-20° to +65°C (-4° to +149°F)
Storage temperature range	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
Optical Interface	
Optical ports (MUX/DEMUX Input/Output)	<ul style="list-style-type: none"> ww: 10 DWDM channel I/O ports x: 10 channel ITU Groups <ul style="list-style-type: none"> x = 2 (ww = ITU 20 - 29) x = 4 (ww = ITU 40 - 49) x = 3 (ww = ITU 30 - 39) x = 5 (ww = ITU 50 - 59) COM: Output/Input to/from fiber network UPG: DP35M: Upgrade DWDM channel input from previous MUX DP35D: Upgrade DWDM channel output to next DEMUX TP: Bidirectional -20 dB tap off COM
Optical connectors	LC/APC or LC/UPC
Optical	
Channel Spacing	100 GHz grid (ITU-T G.694.1)
Channel Passband	<ul style="list-style-type: none"> COM to ww: Center wavelength +/- 0.125 nm COM to UPG: 1527.22 - 1564.68 nm. ITU channels 16 - 63
Insertion Loss, max: (including connectors)	<ul style="list-style-type: none"> COM to ww: 2.9 dB COM to UPG: 2.7 dB Paired: 4.0 dB (Paired IL is from DP35M10 input ww to DP35D10 output ww)
Module Uniformity, max	2 dB
Paired Uniformity, max	1 dB
Return loss, min	45 dB
Polarization dependent loss, max	0.25 dB
Ripple within passband	0.5 dB
Adjacent channel isolation, min	30 dB
Non-adjacent channel isolation, min	45 dB
Directivity, min	55 dB
Power handling, max (any port)	21.8 dBm



ORDERING INFORMATION

Part Number	
DP35v10S0xA1S-0LC-yz	v = Module type (M = Mux; D = Demux) x = 10 channel DWDM ITU group (2, 3, 4 or 5, per above) yz = Connector options (AL = LC/APC; UL = LC/UPC)

RELATED PRODUCTS

Industry-standard LGX chassis

Customer Care

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

Note: Specifications are subject to change without notice.

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