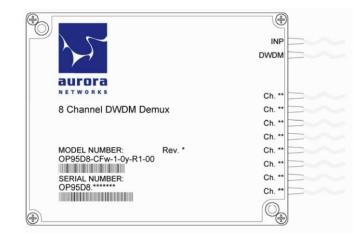
Optical Passives (OSP)



OP95D8-CFx DWDM Demux Field Passives (8 Channels on 100 GHz-speed ITU Grid)

FEATURES

- 8-channel optical demux modules in field hardened enclosures
- Includes cascade port for daisy-chaining of multiple modules
- Groups of channels specifically selected for use with HT354x and AT3545G series Full Spectrum DWDM -Transmitters
- Flat-top pass band
- High optical isolation
- Mux and demux pairs optimized for minimum combined insertion loss across all channels
- Options available for fiber and connector types
- Epoxy-free on optical path



PRODUCT OVERVIEW

ARRIS OP95D8-CFx series 8-channel DWDM demultiplexers facilitate DWDM architectures. DWDM technology can dramatically increase network capacity without requiring additional fiber be deployed for super-trunking or narrowcasting applications.

ARRIS supports DWDM architectures with a variety of products having center frequency spacing on the standard DWDM ITU Grid (ITU-T G.694.1) for 40 channels from Channel 20 to Channel 59. This particular group of 8-channel demux products are intended for use with ARRIS's HT354x and AT3545G Full Spectrum DWDM Transmitters and are available with two different combinations of eight DWDM channels each.

Ask us about the complete Access Technologies Solutions portfolio:

HPON-OP95D8-CFx

Fiber-Deep

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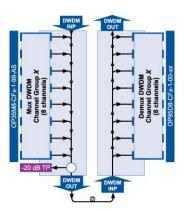
Node Segmentation

HPON[™]/RFoG

FTTx



These ruggedized modules have been designed for use in an outdoor environment with a temperature range of -40° to +85°C.



SPECIFICATIONS	
Characteristics	Specification
Physical	
Dimensions (without connectors)	3.78" L x 3.07" W x 0.31" H (9.6 cm x 7.8 cm x 0.8 cm)
Weight	1.0 lbs (0.45 kg)
Environmental	
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Storage Temperature Range	-40°C to +85°C (-40°F to +185°F)
Humidity	5% to 95% non-condensing
Optical (all models)	
Return loss	45 dB
Polarization dependent loss, max	0.15 dB (< 0.1 dB typ)
Ripple within passband	0.5 dB
Channel spacing	100 GHz
Insertion losses, max ¹	DWDM INP to DWDM OUT: 2.2 dB
	DWDM INP to Ch yy OUT: 2.6 dB
	Paired insertion loss ² : 3.2 dB
Uniformity, max ¹	Module: 1.5 dB
	Paired: 1.0 dB
Passband @ 0.5 dB	 Ch yy INP to DWDM OUT: ± 0.12 nm DWDM INP to DWDM OUT: See Note ³
Isolation, adjacent channel, min	32 dB
Isolation, aujacent channel, min	45 dB
Power handling, any input port, max	45 dB 21.8 dBm
Optical Interface	21.8 UBIII
Optical connectors	See Ordering Information for available options
Model OP95D8-CFx-1-zz-zz (for $\mathbf{x} = 2$ or 4)	Ch yy (8 channel drop outputs for Custom Channel Group x)
Model OP95D8-CFX-1-ZZ-ZZ (for $\mathbf{x} = 2$ or 4)	 Ch yy (8 channel drop outputs for Custom Channel Group x) DWDM INP (input from fiber network or previous demux)
	 DWDM NUT (output to next demux in a cascade)
ITU Channel Plans	
ARRIS supports DWDM network architectures with a variety of products having 100 GHz center frequency spacing on the standard DWDM ITU Grid	
(ITU-T G.694.1).	

OP95D8-CFx-1-99-AS 8-channel Optical Demux Modules are available (for
which outputs can be cascaded from one module to another) are availablex = 2 = CF2 = Chs 20, 21, 24, 29, 35, 42, 52, and 54
<math>x = 4 = CF4 = Chs 23, 33, 44, 47, 51, 57, 58, and 59

for the following custom channel groups

NOTES:

¹ Including connectors;

² Paired insertion loss when combined with 8-ch mux module from Ch yy INP to Ch yy OUT;

 3 Passes 1420-1620 nm with a notch at the channel add/drop band and WDL within $\pm\,0.15$ dB.

Ask us about the complete Access Technologies Solutions portfolio:

HPON-OP95D8-CFx

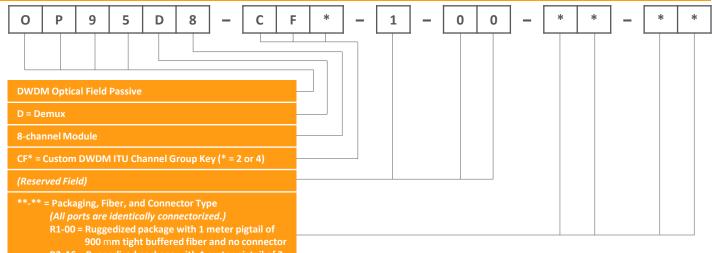
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ORDERING INFORMATION



R2-AS = Ruggedized package with 1 meter pigtail of 2

RELATED PRODUCTS	
Optical Transmitters	Optical Passives
Digital Return	Optical Patch Cords
Optical Nodes	Installation Services

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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