

Optical Passives (OSP)

NP95D08S0FA13-0VE-00

DWDM Demux Field Passives

(8 Channels on 100 GHz-speed ITU Grid)

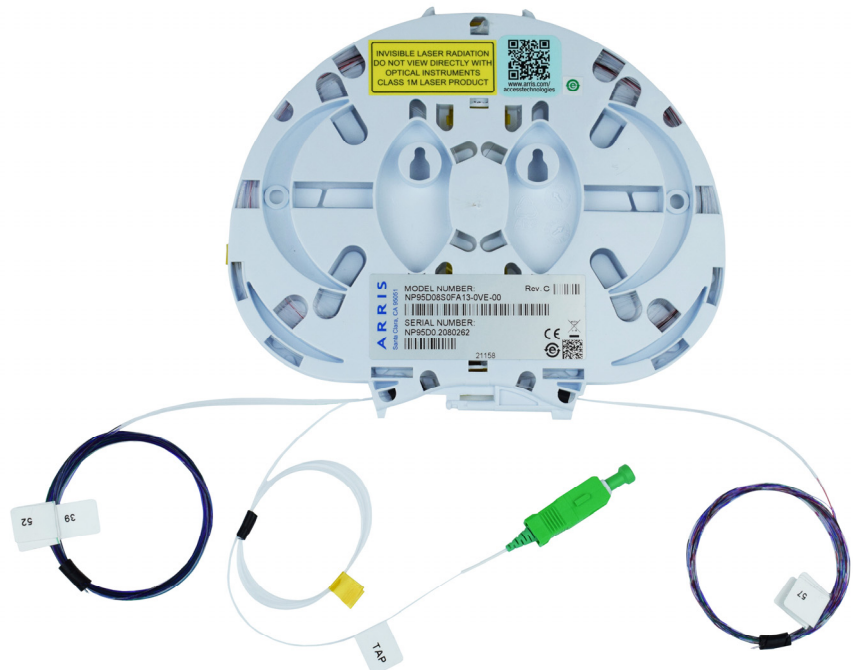
FEATURES

- 8-channel optical demux modules in field hardened enclosures
- Includes cascade port options for daisy-chaining of multiple modules
- 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

CommScope's NP95D08S series 8-channel DWDM de-multiplexers facilitate DWDM architectures. DWDM technology can dramatically increase network capacity without requiring additional fiber be deployed for super-trunking or narrowcasting applications.

CommScope 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.

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	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° to +85°C (-40° to +185°F)
Storage Temperature Range	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
Optical Interface	
Return Loss	45 dB
Polarization Dependent Loss, max	0.25 dB
Ripple within Passband	0.5 dB
Channel Spacing	100 GHz
Passband @ 0.5 dB	<ul style="list-style-type: none"> • COM to DWDM Channel output: ± 0.125 nm • UPG to COM: 1527.22-1564.68
Isolation, Adjacent Channel, min	30 dB
Isolation, Non-adjacent Channel, min	45 dB
Power Handling, any Input Port, max	21.8 dBm
Insertion Losses, max ¹	
UPG to COM	2.3 dB
COM to DWDM Channel Output	2.0 dB
Paired Insertion Loss ²	3.0 dB
Uniformity, max ¹	1.8 dB
Optical Interface	
Optical Connector	SC/APC for tap No connector for all other optical ports.
Optical Ports	<ul style="list-style-type: none"> • COM • 8 DWDM channel outputs • UPG
ITU Channel Plans	
	See Ordering Information for available options.

NOTES:

1. Including connectors
2. Paired insertion loss from DWDM channel input of mux to DWDM channel output of demux when combined with 4-ch mux module

ORDERING INFORMATION

N P 9 5 D 0 8 S 0 F A 0 1 - 0 V E - 0 0

Channel Count (08 = 8 channels)
Channel Group F: See table below for ITU channels.
UPG Port (A = with UPG Port)
Filter Grade (1 = suitable for systems with 30 or fewer analog channels in their RF payloads)
Fiber Type (0 = 0.25-mm)
Package (V = V-case Hellerman Tyton)
Optical Connector Option (00 = No connector)

ITU Channel	Wavelength (nm)	Color Description
21	1560.606	Blue
28	1554.940	Orange
33	1550.918	Green
39	1546.119	Brown
44	1542.142	Gray/Slate
52	1535.822	Yellow
57	1531.898	Purple/Violet
62	1527.994	Rose/Pink
UPG		Red
COM		Black
Tap		Clear/White

RELATED PRODUCTS

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Note: Specifications are subject to change without notice.

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