

## FEATURES

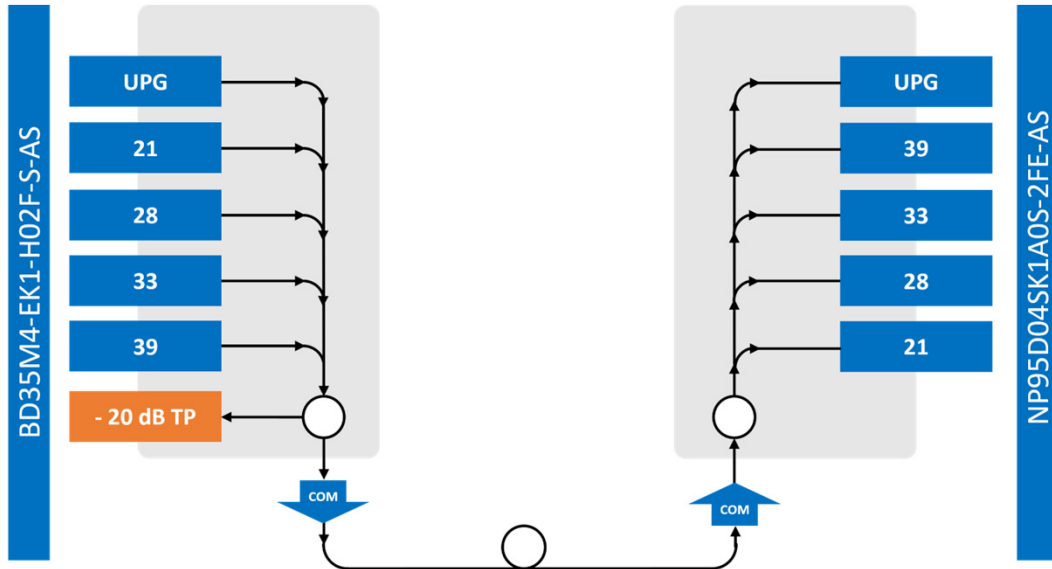
- 4-channel optical demux modules in field hardened enclosures
- Includes cascade port options for daisy-chaining of multiple modules
- High optical isolation
- Mux and demux pairs optimized for minimum combined insertion loss across all channels
- Options available for fiber and connector types
- Epoxy-free on optical path

The CommScope NP95D04S series 4-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).

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





## SPECIFICATIONS

Characteristics	Specification
<b>Physical</b>	
	<b>NP95D04SKxA0S-2FE-**</b>
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 lb (0.45 kg)
<b>Environmental</b>	
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
<b>Optical (All Models)</b>	
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"> <li>COM to DWDM Channel output: <math>\pm 0.125</math> nm</li> <li>UPG to COM: 1527.22-1564.68 (available only for the NP95D04S)</li> </ul>
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 <sup>1</sup>	
UPG to COM	1.3 dB
COM to DWDM channel output	1.6 dB
Paired insertion loss <sup>2</sup>	2.6 dB
Uniformity, max <sup>1</sup>	2 dB
<b>Optical Interface</b>	
Optical Connectors	See Ordering Information for available options.
Optical Ports	<ul style="list-style-type: none"> <li>COM</li> <li>4 DWDM channel outputs</li> <li>UPG (for cascading with the next demux; available only in NP95D04S)</li> </ul>
<b>ITU Channel Plans</b>	
	See Ordering Information for available options.

### NOTES:

- Including connectors
- 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	4	S	K	*	A	0	S	-	*	F	E	-	*	*
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Channel group (1,2,3,4,5) (See table below for ITU channels in each channel group.)
Fiber type [1 = 0.9-mm; 2 = 1.6-mm]
Optical connector option [00 = No connector; and AS = SC/APC]

Channel Group	ITU Channel #	Wavelength (nm)	Optical Frequency (THz)
1	21	1559.794	192.2
	28	1554.940	192.8
	33	1550.918	193.3
	39	1546.119	193.9
2	44	1542.142	194.4
	52	1535.822	195.2
	57	1531.898	195.7
	62	1527.994	196.2
3	22	1556.555	192.6
	24	1558.173	192.4
	26	1556.555	192.6
	36	1548.515	193.6
4	48	1538.976	194.8
	54	1534.250	195.4
	60	1529.553	196.0
	61	1528.773	196.1
5	21	1560.606	192.1
	33	1550.918	193.3
	44	1542.142	194.4
	57	1531.898	195.7

RELATED PRODUCTS

Digital Return Transmitter	Optical Patch Cords
SFPs	Optical Passives
Fiber Service Cable	Installation Services

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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