

Optical Passives (OSP)

NP95C01

Wavelength Band Combiners/Separators

FEATURES

- 3-port filters to combine or separate wavelength bands
- Low insertion loss
- Operating temperature range -40° to $+85^{\circ}\text{C}$
- Telcordia GR-1209 and GR-1221 qualified, providing excellent environmental and mechanical stability
- Variety of fiber jacket and connector types
- Epoxy-free on optical path



PRODUCT OVERVIEW

ARRIS's NP95C01 series of combiner/separator filters are 3-port filters that combine (or separate) wavelength bands. These filters are designed for use in an outdoor environment within a temperature range of -40° to $+85^{\circ}\text{C}$.

SPECIFICATIONS

Characteristics	Specification	
Physical		
Dimensions	9.2 x 51 x 89 mm	
Weight, ruggedized packages	0.8 lbs (0.4 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		
	RED	BLUE
Passbands (nm)	1546.0 – 1562.4 (ITU Chs 19-39)	1527.1 – 1542.3 (ITU Chs 44-63)
Insertion losses, max (typical) (dB), including connectors	0.9 (0.7)	0.8 (0.6)
Isolation, min (dB)	15	25
Ripple within passband, max (dB)	0.5	
Power handling, max (any input port) (dBm)	24.8	
Directivity, min (dB)	55	
Return loss, min (dB)	45	
Polarization dependent loss, max (typ), dB	0.15 (0.1)	

ORDERING INFORMATION

N	P	9	5	C	0	1	S	0	E	Z	0	S	-	*	S	D	-	*	*
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- * = 1 (0.9-mm fibers); 2 (1.6-mm fibers)
- ** = 00 (No connectors, applicable only to 0.9-mm fibers);
AS (SC/APC connectors, applicable only to 1.6-mm fibers)

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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