

Key Features

- Integrated 1x8 BC Splitter and BC/NC Combiner
- Power Monitoring Taps
- LGX Form Factor

Applications

- HFC DWDM Networks with Separate BC/NC Fibers
- Combining BC and NC Signals in Downstream Distribution Links
- Analog and Digital Transmission



Product Overview

The SC-8-200 Broadcast/Narrowcast Splitter/Combiner splits the broadcast signal eight times and then combines each portion of the broadcast stream with a specific narrowcast signal. The SC-8-200 primary applications include downstream distribution links from hub to nodes. The unit provides power monitoring taps for broadcast input and each of the combined outputs.

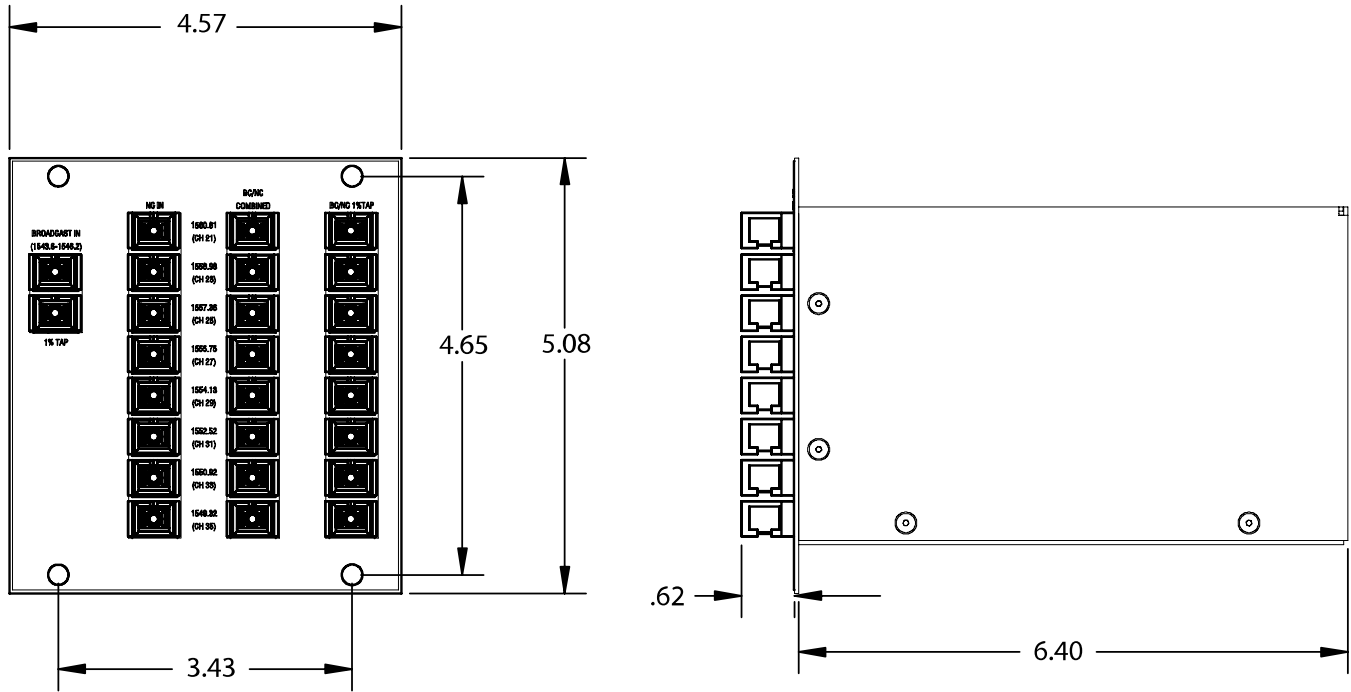
Product Specifications

Broadcast Inputs	1	Narrowcast Passband	0.5 nm
Broadcast Splitter Configuration	1 x 8	Narrowcast Insertion Loss ^{1,2} (Typ./Max.)	1.1 / 1.4 dB
Broadcast Window	1543.55-1546.25 nm	Narrowcast PDL ² (Typ./Max.)	0.3 / 0.5 dB
Broadcast Insertion Loss ^{1,2} (Typ./Max.)	12.5 / 12.8 dB	Narrowcast Optical Return Loss	>42 dB
Broadcast PDL ² (Typ./Max.)	0.5 / 0.8 dB	Narrowcast Channel Uniformity ² (Typ./Max.)	<-0.4 / 0.6 dB
Broadcast Optical Return Loss	>42 dB	Fiber Connector	SC/APC
Broadcast Channel Uniformity ² (Typ./Max.)	<1.5 / 1.9 dB	Operating Temperature	-5 to +65 °C
Narrowcast Channel Count	8	Storage Temperature	-40 to +85 °C
Narrowcast Channel Wavelengths	1549.32-1560.61 (CH 21-35)	Enclosure	LGX
Narrowcast Channel Spacing	200 GHz	Dimensions	4.6" W x 5.1" H x 6.4" D

¹ At combined output

² Including connectors and taps

Mechanical Drawing (All dimensions in inches)



Specifications subject to change without notice. Rev. 04/04
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