



Legacy ISX Nodes

Replacement DFB Single Return Path Transmitter Modules



The ARRIS ISX 1310 and 1550 DFB Single Return Path Transmitter modules are designed for the ARRIS legacy ISX 3030 and ISX 3040 nodes. The plug and play modules upgrade the node from an FP to a DFB laser, providing greater reliability and DOCSIS 3.0 capability on the return path without service interruption.

The ISX 1310 and 1550 DFB single return path transmitter modules have low power consumption and good heat dissipation, increasing service life and reliability. A convenient DC test point provides an indicator for optical output power (1 V/mW).

ARRIS solutions for 1 GHz upgrades include the Opti Max3100 2 x 2 segmentable node and Opti Max4100 4 x 4 segmentable node. Please contact your ARRIS sales representative for more information on these products.

Features

- 1310 nm optical output at 2 mW
- 1550 nm optical output at 2.5 mW
- DC test point

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Specifications

Physical

Operating Temperature °F (°C) (ambient temperature around the node)	-38 °F to +140 °F (-40 °C to +60 °C)
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RF Input and Performance Parameters

Frequency Response Range (+/- 1.0 dB)	5–220 MHz
NPR	>15 dB over 41 dB NPR*
Input return Loss	16 dB

Optical Output Parameters

Optical Output (DFB)	2.0 mW at 1310 nm 2.5 mW at 1550 nm
Return Loss	>60 dB with APC Connector
Optical Connector	SC/APC, FC/APC, SC/UPC, FC/UPC

User Interface

Optical Output Level	1 V/mW
Laser On Indicator	LED
Input Level Control	SXP Pad

Powering

Single Transmitter Module	24 V, 65 mA
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Ordering Information

ISX3030/3040—1310 nm DFB Analog Return Transmitter 2.0 mW

Base P/N	Connector Type
1504724-001	SC/APC
1504724-002	SC/UPC
1504724-003	FC/APC
1504724-004	FC/UPC

ISX3030/3040—1550 nm DFB Analog Return Transmitter 2.5 mW

Base P/N	Connector Type
1504726-001	SC/APC
1504726-002	SC/UPC
1504726-003	FC/APC
1504726-004	FC/UPC

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