



CHP MAX[®] CORWave[™] II Multi Wavelength Forward Transmitters Technical Specification

General Specifications

Optical

Wavelength	1525 to 1565 nm, 16 optimized wavelengths
Output Power	8.5 dBm
Link	Up to 65km ¹

RF

Operating Bandwidth	54 to 1002 MHz
Channel Loading	54 to 550 MHz analog channels, 450 MHz, 256 QAM channels (6 dB below analog)
Input RF Power:	15 to 25 dBmV
RF Input Impedance:	75Ω
Flatness	±1.0 dB
Testpoint	-20 ± 1.0 dB

Typical Link Performance

CNR	49 dB ²⁻³
CSO	-60 dBc ²⁻³
CTB	-60 dBc ²⁻³

Electrical/Environmental/Mechanical

Power Consumption	37W typical
Optical Connector	SC/APC
RF Connector	F-type
Control Interface	SNMP Ethernet
Dimensions, in (cm) W x H x D	18.98 x 1.75 x 14.75 (48.2 x 4.45 x 37.5)
Weight, lbs (kg)	2.75 (1.24)
Temperature, C (F), Operational	0 to 50 (32 – 122)
Temperature, C (F), Storage	-20 to 60 (-4 to 140)
Humidity	85%, noncondensing, max.

Notes:

1. Typical CORWave II operational ranges are 4 to 16 wavelengths, up to 65km.
2. Link performance based on 8 wavelengths over 40km with one EDFA and optical passive at the receiver, 77 NTSC channels measured according to standard procedures.
3. CNR and CSO/CTB may degrade up to 0.5 and 2.0 dB, respectively, over full operating temperature range and overall polarization states.

Contact your ARRIS Sales Representative for ordering information.

Technical Specification

Specifications are subject to change without notice.

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