ARRIS GX2 LM1000B Serie

1310 NM BROADCAST TRANSMITTER

- High module density: up to 16 transmitter modules in a four rack unit housing
- High performance: advanced predistortion circuitry achieves superior CSO and CTB performance, integrated low noise pre-amp allows a low RF input level
- Intelligence contains high performance PowerPC microprocessor provided by Arris
- Quick swap capability: replacement modules are recognized and updated with settings prestored by the control module
- User friendly:two RF test points (input & laser drive) and CW/Video modes provide accurate link optimisation
- Energy efficient
- Plug&play application modules

Performance	
CTB (Composite triple Beat Distortion)	- 70 dB
CSO (Composite second Order Distortion)	- 66 dB
XM (Cross Modulation)	- 65 dB
Model	Description
GX2-LM1000B**	Broadcast Transmitter, SCAPS optical Connector
GX2-LM1000B**/E	Broadcast Transmitter, E2000 optical Connector
Optical	
Optical wavelength	1310 nm ± 20 nm
Optical output ports	1 Port
Optical connector types	SC/APC or E2000 with optical safety shutter
Laser shutdown	Enable/disable via control module

SPECIFICATIONS

RF	
Operational bandwidth	47-1000 MHz
Broadcast input level	+ 15 ± 0,5 dBmV/ch (79 NTSC channels + 320 MHz digital at-6 dBc)
Narrowcast input level (analog/digital)	+ 22 dB above broadcast input levels
RF input test point	- 20 ± 0,5 dB relative to main RF input port
RF input impedance	75 Ohm
RF input return loss (Broadcast & Narrowcast)	16 dB min. 47-870 MHz 14 dB min. 870-1000 MHz
Narrowcast to main RF input isolation	50 dB min., 47 MHz-1 GHz

General data	
Dimensions	**2,5 x 15 x 38 cm**
Weight	**1 kg**
Mounting	**GX2-HSG* Chassis / Equipment shelf**
RF connector types	
Input	**F-type**
Test points	**F-type**
Operating temperature	**- 20° … + 65°C**
Storage temperature range	**- 40° … + 80°C**
Power consumption	**Max. 17 Watt,** **typ. 12 Watt**
Eye protection	**with optical safety shutter**
Visual interface	**Tri coloured module status LED**

Model	Description
GX2-LM1000B2	Transmitter, 1310nm, 2 dBm Output Power, 1GHz
GX2-LM1000B3	Transmitter, 1310nm, 3 dBm Output Power, 1GHz
GX2-LM1000B4	Transmitter, 1310nm, 4 dBm Output Power, 1 GHz
GX2-LM1000B5	Transmitter, 1310nm, 5 dBm Output Power, 1 GHz
GX2-LM1000B6	Transmitter, 1310nm, 6 dBm Output Power, 1 GHz
GX2-LM1000B7	Transmitter, 1310nm, 7 dBm Output Power, 1 GHz
GX2-LM1000B8	Transmitter, 1310nm, 8 dBm Output Power, 1 GHz
GX2-LM1000B9	Transmitter, 1310nm, 9 dBm Output Power, 1 GHz
GX2-LM1000B10	Transmitter, 1310nm, 10 dBm Output Power, 1 GHz
GX2-LM1000B11	Transmitter, 1310nm, 11 dBm Output Power, 1 GHz
GX2-LM1000B12	Transmitter, 1310nm, 12 dBm Output Power, 1 GHz
GX2-LM1000B13	Transmitter, 1310nm, 13 dBm Output Power, 1 GHz
GX2-LM1000B14	Transmitter, 1310nm, 14 dBm Output Power, 1 GHz

*SC/APC optical connector is standard. Add /E to model designate E2000 optical connector.