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ADTRAN is an ISO 9001, ISO 14001,
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OPTI-6100 Modules

For IEEE 1613 Applications

OPTI-6100 application modules tested to the requirements of IEEE Standard 1613™.

This data sheet specifies the OPTI-6100® modules which have been tested and certified compliant with IEEE Standard 1613 (published in 2003). IEEE Standard 1613-2003 "IEEE Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations" provided the technical requirements for this certification.

ADTRAN® has special versions of the OPTI-6100 modules which have been tested to IEEE 1613 standards. These devices are suitable for applications in electric power substations. The basic functionality and performance remains the same as the basic NEBS-compliant OPTI-6100 utilized in carrier

applications. These OPTI-6100 units are available for customer applications requiring this compatibility for use at electric power substations. Customers should be aware that 1613 compliance is, in most cases, mutually exclusive with Telcordia NEBS Level 3 testing, therefore, modules are either NEBS- or 1613-compliant, but not both, on the same modules. Care should be taken to order the correct modules.

Please note that due to 1613 requirements, support for RS-485 linking on the SCM module is not provided on the 1613 version only. The software utilized on the IEEE 1613 versions of these modules is the same as the software utilized on the NEBS versions of the OPTI-6100 platform modules.

The following modules are specific to IEEE-1613 compliance:

1184500L1E	OPTI-6100 SCM IEEE 1613	Controller module
1184501G1E	OPTI-6100 MX CHAS IEEE 1613	Chassis; MX
1184510L2E	OPTI-6100 ETHM2 IEEE 1613	3 port 10/100 Ethernet over SONET module
1184513L2E	OPTI-6100 DS1M2 IEEE 1613	28 port DS1 module, M13 mapped
1184515L4E	OPTI-6100 DS1VM2 IEEE 1613	28 port DS1 module, VT mapped
1184532L1E	OPTI-6100 TRAM3 IEEE 1613	3 port Transmux module
1184533L3E	OPTI-6100 DS3M3T IEEE 1613	3 port DS3 module
1184543L4E	OPTI-6100 O3TME IEEE 1613	1 port OC-3 tributary module
1184571G1E	OPTI-6100 OMM312V IEEE 1613	1 port OMM312V module, SFP based
1184570G1E	OPTI-6100 DS10TSIM IEEE 1613	DS1/0 Cross Connect module

The following modules are not affected by 1613 requirements and may be utilized as-is:

1184543Px	SFP Optical Modules
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