Priority Electronics Ltd

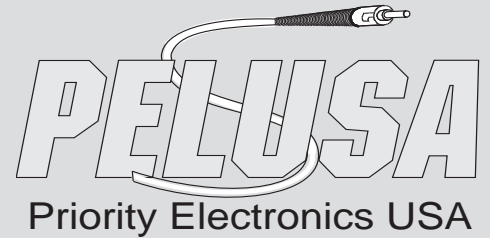**PELUSA**
Priority Electronics USA

HD Splitter Module

Priority's new HD Splitter Module is a new family of products designed to expand FTTH network functionality as well as cut installation time and costs in the field. This product line was designed to meet the needs of implementing PON networks in residential and MDU applications. HD Splitter Modules allows the provider to pick wall or rack mount boxes, or use the individual compact splitter modules in various existing FDH cabinets.
Priority's HD Splitter modules all use bend insensitive fiber with a 15 mm bend radius to minimize loss in applications where space is at a premium. The HD compact splitter modules come connectorized with FOC ITL approved SC/APC connectors and terminations on 2 mm temperature hardened cables. All components are 1209 and 1221 compliant.

APPLICATIONS
.. FTTx Deployments
.. Telecommunication Systems
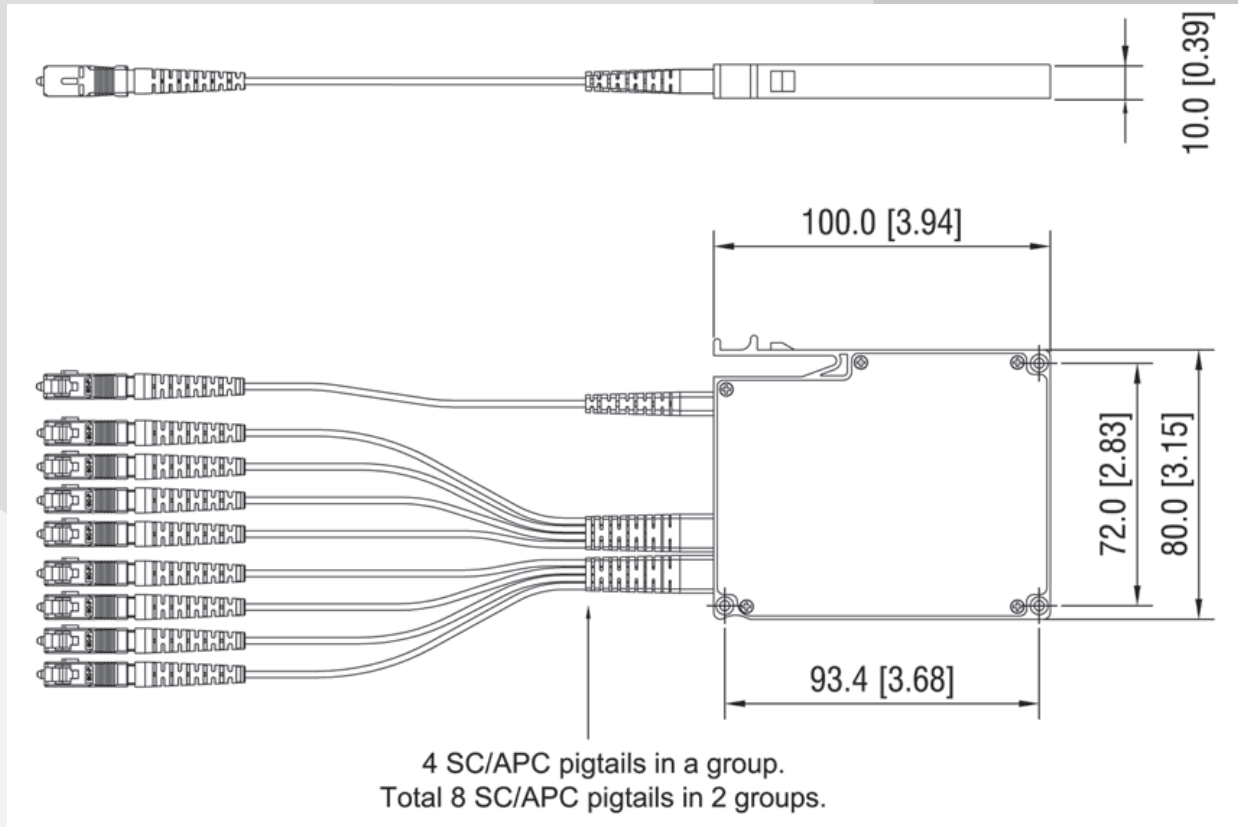.. Wide Area Networks
.. Analog and Digital PON Networks

FEATURES
.. Compact & Lightweight Cassette Design
.. 15mm Bend Radius Temp Hardened SC/APC Pigtails
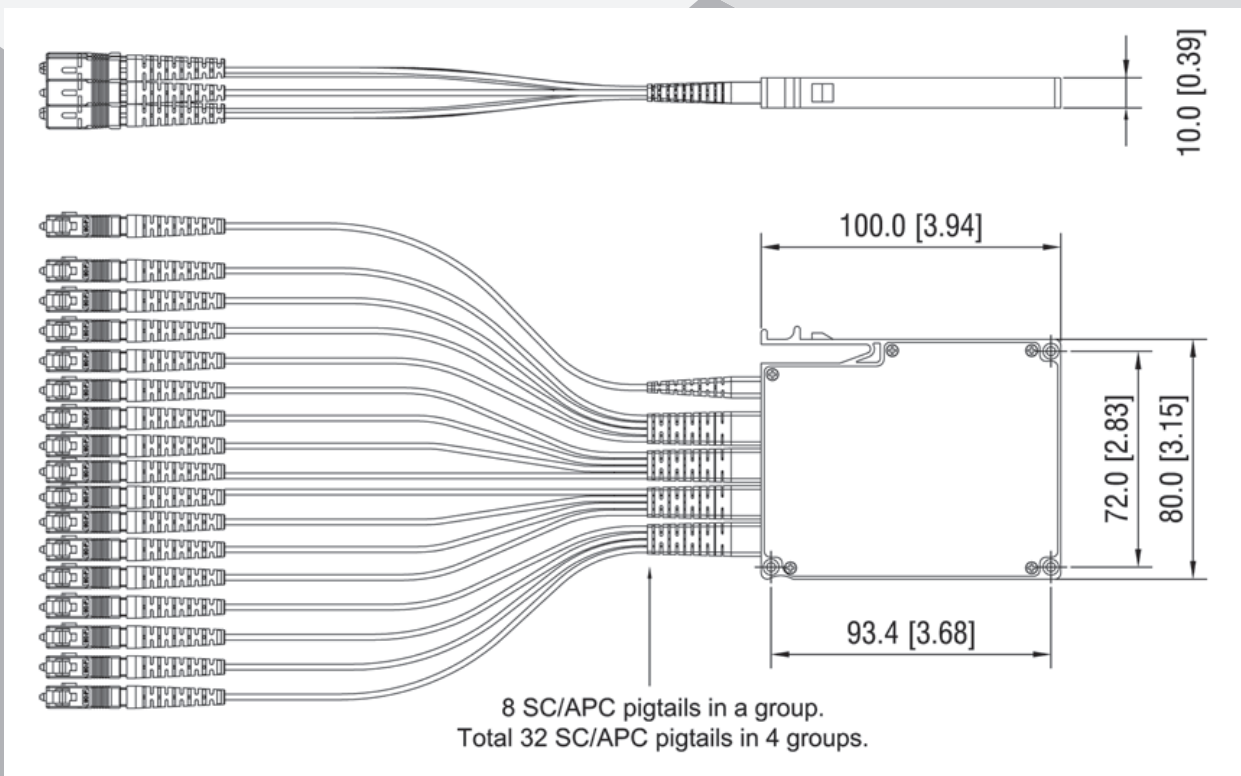.. Rugged Construction
.. High Stability and Reliability

SPECIFICATIONS

Parameters	1x4 Port Maximum	1x8 Port Maximum	1x16 Port Maximum	1x32 Port Maximum
Operating Wavelength		1260 - 1650 nm		
Insertion Loss*	7.75 dB	10.95 dB	14.45 dB	17.25 dB
Insertion Loss Uniformity	1.0 dB	1.0 dB	1.5 dB	2.0 dB
Polarization Dependent Loss	0.1 dB	0.15 dB	0.25 dB	0.4 dB
Directivity		> 55 dB		
Return Loss		> 55 dB		
Maximum Optical Power		500 mW		
Operating Temperature		- 40°C to + 85°C		
Storage Temperature		- 40°C to + 85°C		
Storage Relative Humidity		20 - 90 (%RH)		

Mechanical Drawing 1x8 Splitter Module

10.0 [0.39]

100.0 [3.94]

72.0 [2.83]

80.0 [3.15]

93.4 [3.68]

4 SC/APC pigtails in a group.
Total 8 SC/APC pigtails in 2 groups.

Mechanical Drawing 1x32 Splitter Module

10.0 [0.39]

100.0 [3.94]

72.0 [2.83]

80.0 [3.15]

93.4 [3.68]

8 SC/APC pigtails in a group.
Total 32 SC/APC pigtails in 4 groups.

Mechanical Drawing Dual1x16 Splitter Module

1x16 Splitter Input 1

1x16 Splitter Input 2

1x16 Splitter 1
Output 1 to 16
for two groups

1x16 Splitter 2
Output 1 to 16
for two groups

10.0 [0.39]

100.0 [3.94]

72.0 [2.83]

80.0 [3.15]

93.4 [3.68]

8 SC/APC pigtails in a group.
Total 32 SC/APC pigtails in 4 groups.