



M/s. Optronics Trading LLC
P.O Box. 181775
Dubai, UAE

May 26, 2023
Ref: HO/EPA/780507/23

Subject: Passive Product Approval for Etisalat FTTH Network

Dear Mr. Suregh Sudhaman

Reference is made to your application for Product Approval. We are pleased to inform that the following items are approved for deployment in FTTH Network subject to prevailing Etisalat and TDRA Guidelines. This is issued based on the technical specifications stated by the manufacturer, inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the deployment of these products.

Sl. No	EPA No	Product Description	Supplier	Brand
1	780507-1	PLC Splitter 2:32 SC/APC	Optronics	Optronics Plus
2	780507-2	PLC Splitter 2:8 SC/APC	Optronics	Optronics Plus

Kindly note that this approval is valid for a period of 12 months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.

Stamped specification sheets are attached for your reference and further correspondence's.

Best Regards

Saeed Ali Alsharhan
Director – DO&C / DM



1xN 2xN PLC Splitter Modules

Introducing range of high performance splitters loaded into a variety of management products to include 19" rack mounted panels and modules. A move toward PON's within the FTTX arena calls for a device offering low insertions loss, linear uniformity and low return loss, our splitters provide excellent specifications on all of the above as well as complying to and exceeding Telcordia GR-1221-CORE and GR-1209-CORE standards.

Features

- Designed to meet Telcordia standards
- Non-standard housing options available
- Low IL and PDL
- Broadband Operation Wavelength Low Insertion Loss
- Compact Design
- Good channel to channel uniformity
- High Reliability and Stability
- Range of packaging options available
- High specification connectors available
- RoHS Compliance

Applications

- Telecommunication Sector
- PON System
- FTTx
- CATV
- Video Transmission
- WAN's

Specifications

ELEMENT	VALUE	1X4	1X8	1X16	1X32	1X64	2X4	2X8	2X16	2X32
Operating Wavelength	nm	1260~1650								
Insertion Loss without connector	≤dB Max	7.40	10.70	13.70	17.0	21.0	7.70	10.80	14.1	17.40
Insertion Loss with connector	≤dB Max	7.90	11.20	14.20	17.50	21.50	8.30	11.0	14.30	17.80
Loss Uniformity	≤dB	0.60	0.90	1.20	1.70	2.50	1.00	1.20	1.50	1.80
Polarization Dependent Loss	≤dB	0.20	0.30	0.30	0.30	0.40	0.20	0.30	0.30	0.30
Return Loss	dB Min	50								
Directivity	dB Min	55								
Operating Temperature	°C	-40 ~ +85								
Storage Temperature	°C	-40 ~ +85								
Fibre Type		G652.D or G657.A1/A2								
Fibre Length		1 meter or customer specified								
Connector Type		Customer specified								

Notes:

- (1) All measurements were performed at room temperature, at wavelength 1310nm & 1550nm.
 (2) Coupling losses at the interfaces between the splitter chip and I/O fibres are included.

Ordering Information

	Input Connector		Output Connector		Fibre Type		Wavelength		Configuration Type		Package Style	
OM1	X	None	X	None	9	G.652D	1	Broadband 1260 -1650nm	102	1x2	1U	1U 19"
	0	LC	0	LC	A1	G.657A1	2	1310nm / 1550nm	104	1x4	2U	2U 19"
	1	LCA	1	LCA	A2	G.657A2	3	1310 / 1490 / 1550nm	108	1x8	3U	3U 19"
	2	SC	2	SC					116	1x16		
	3	SCA	3	SCA					132	1x32		
	4	ST	4	ST					164	1x64		
	5	FC	5	FC					202	2x2		
	6	FCA	6	FCA					204	2x4		
	7	E2	7	E2					208	2x8		
	8	E2A	8	E2A					216	2x16		
									232	2x32		
									264	2x64		
									264	2x64		

Example order code

OM1	-	33	A11	-	208	-	1U
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2 X 8 PLC Splitter module 1U Patch Panel with SCA Connectors

OM1	-	33	A11	-	232	-	1U
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2 X 32 PLC Splitter module 1U Patch Panel with SCA Connectors