

Kablo

TÜRKSAT

FIBER OPTIC SPLITTERS



FCT Telekom & Elektrik & Elektronik

1×N & 2×N PLC Splitters

PLC Splitter is Based on the Planar Waveguide Technology. It provides Power Distribution Solution with Small Form Factor and High Reliability.

Features

- Low Insertion loss
- Low PDL
- High Return Loss
- Uniform Power Splitting
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability
- Qualified Under Telcordia GR-1221 and GR-1209



Applications

- FTTx (FTTB, FTTH, FTTC)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- CATV Systems
- Test Equipments

Specifications(1×N Splitters):

Parameter		Unit	Value										
Product Type			1×2	1×3	1×4	1×6	1×8	1×12	1×16	1×24	1×32	1×64	1×128
Operating Wavelength		nm	1260~1650										
Insertion Loss	Typ.	dB	3.6	6.0	7.0	9.2	10.3	12.2	13.6	15.8	16.6	20.1	24.5
	Max.	dB	4.3	6.2	7.4	9.5	10.7	12.5	13.9	16.0	17.2	21.5	25.5
Uniformity (Max.)		dB	0.5	0.6	0.8	0.8	0.8	1.2	1.4	1.5	1.5	2.0	2.6
PDL(Max.)		dB	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8
TDL(Max.)		dB	0.5										
Return Loss		dB	≥55(APC type connectors) / 50(UPC type connectors)										
Directivity		dB	≥55										
Operating & Storage Temperature		°C	-40~+85										

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.

Specifications(2×N Splitters):

Parameter	Unit	Value							
Product Type		2×2	2×4	2×8	2×16	2×32	2×64	2×128	
Operation Wavelength	nm	1260~1650							
Insertion Loss	Typ.	dB	4.2	7.2	10.6	13.8	17.0	20.5	24.8
	Max.	dB	4.5	7.7	11.0	14.8	17.9	21.5	25.8
Uniformity (Max.)	dB	0.8	1.0	1.2	1.5	1.8	2.5	3.0	
PDL(Max.)	dB	0.2	0.3	0.3	0.3	0.3	0.5	1.0	
TDL(Max.)	dB	0.5							
Return Loss	dB	≥55(APC type connectors) / 50(UPC type connectors)							
Directivity	dB	≥55							
Operating & Storage Temperature	°C	-40~+85							

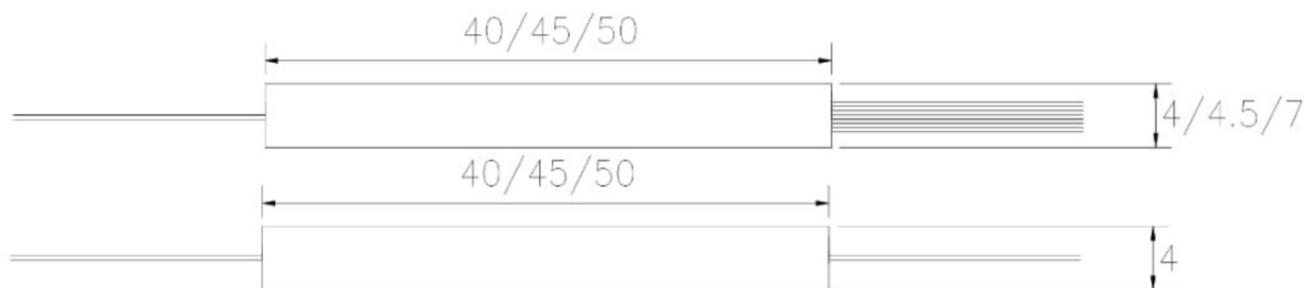
Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.

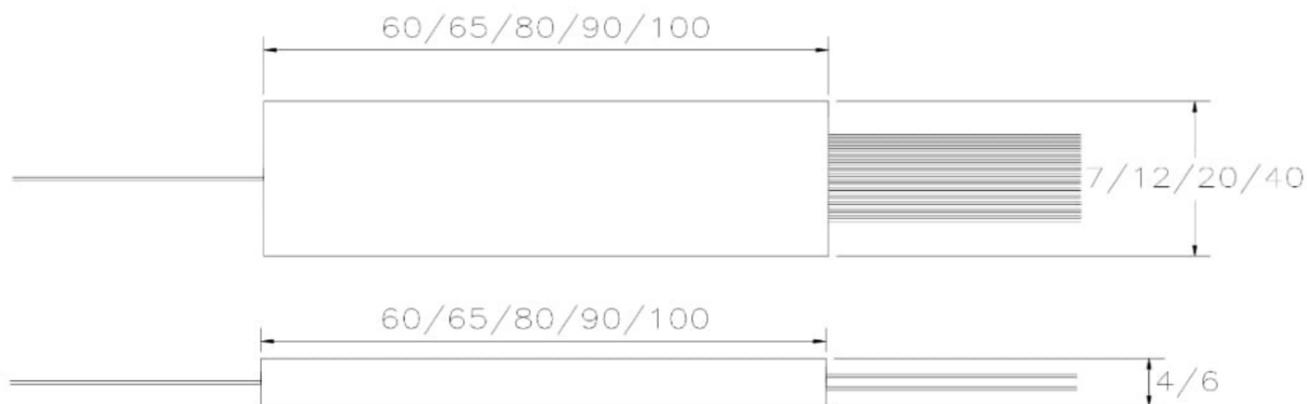
Device Schematic Drawing (unit: mm):

1. Stainless Steel Tube:

1) A1 (40×4×4) / A2 (45×4×4) / A3 (45×4.5×4) / A4(50×7×4) :



2) A5(60×7×4)/ A6(60×12×4)/ A7(65×7×4)/ A8(80×12×4)/ A9(80×20×6)/ A10(90×20×6)/ A11(100×40×6) :

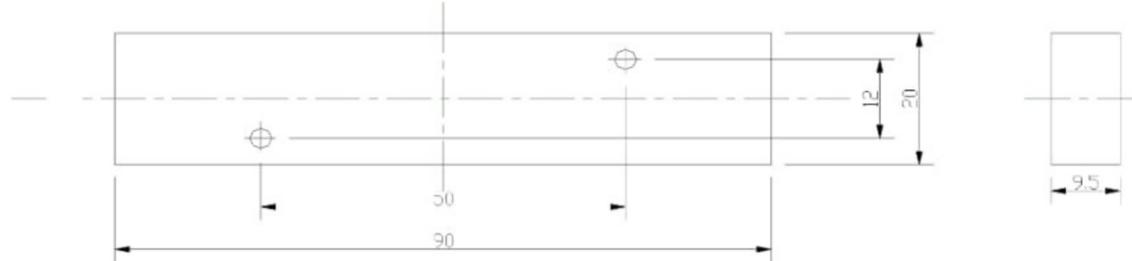


FIBRE OPTIC SPLITTERS

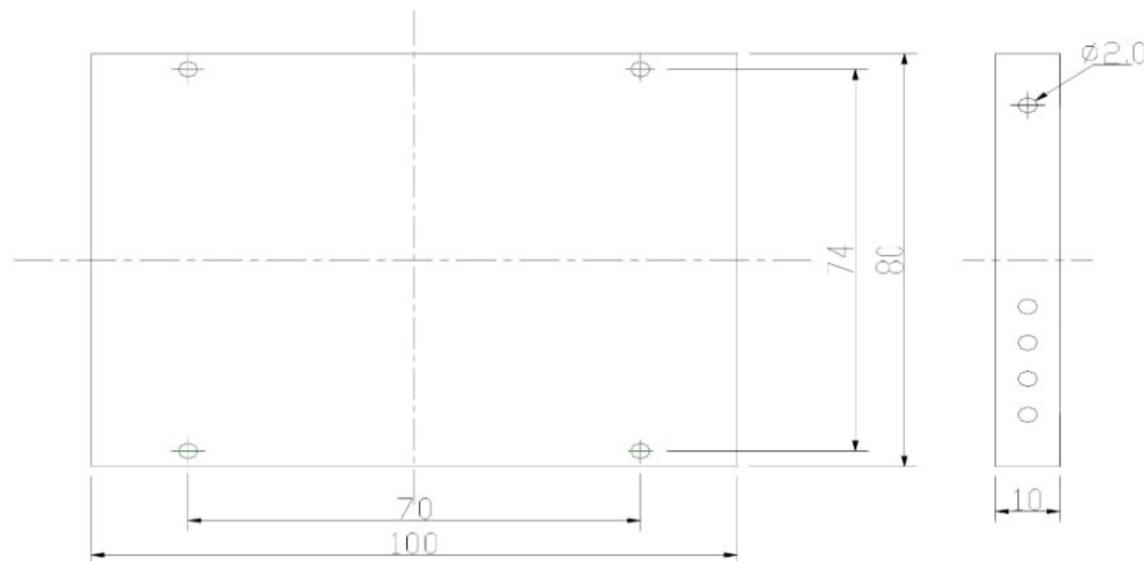
www.fcttech.com

2. Plastic Box:

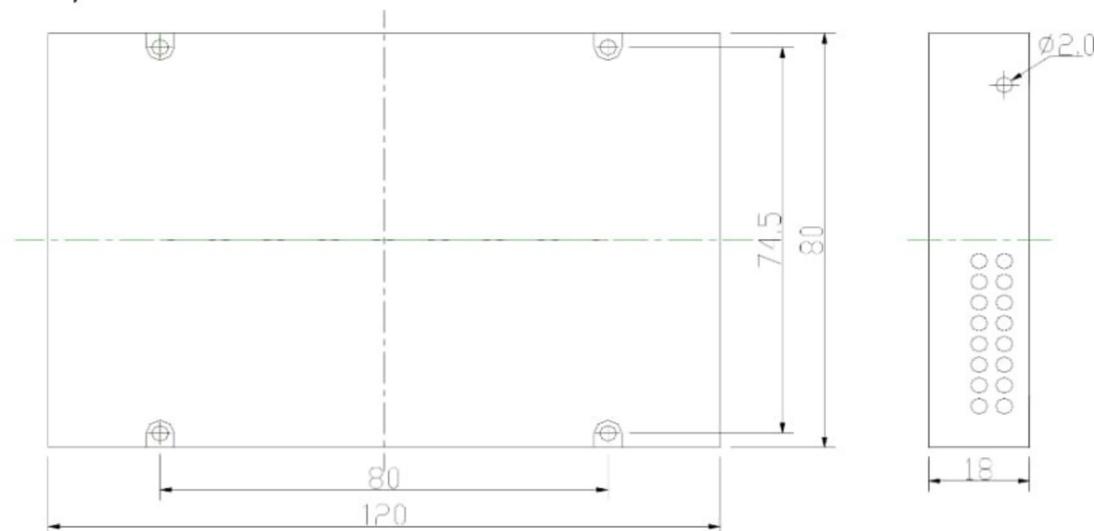
1) D (90 X20 X9.5)



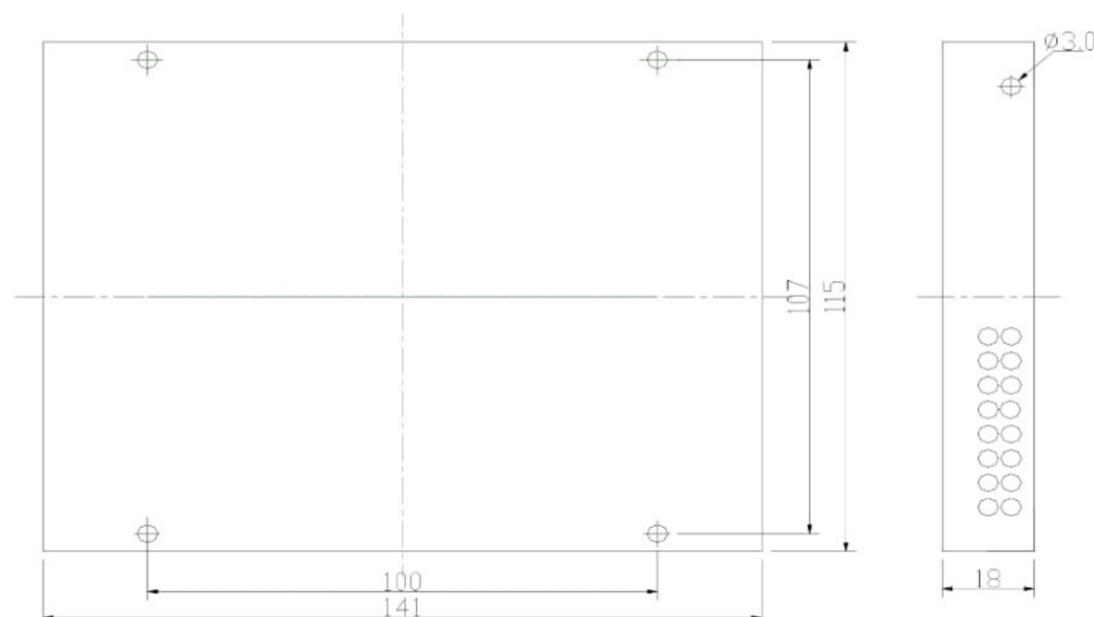
2) E (100 X80 X10)



3) K (120 X80 X18)



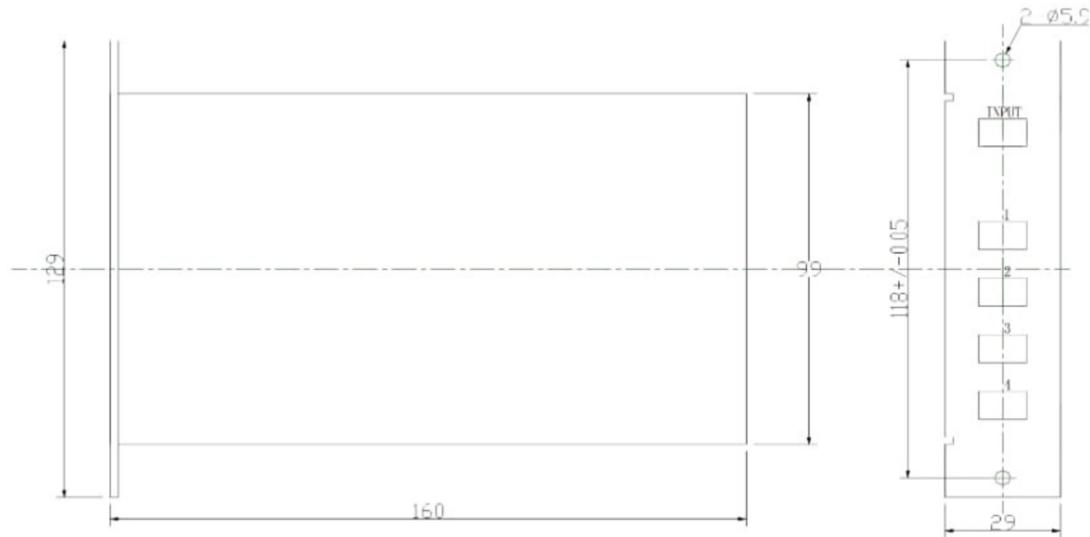
4) F (141 X115 X18)



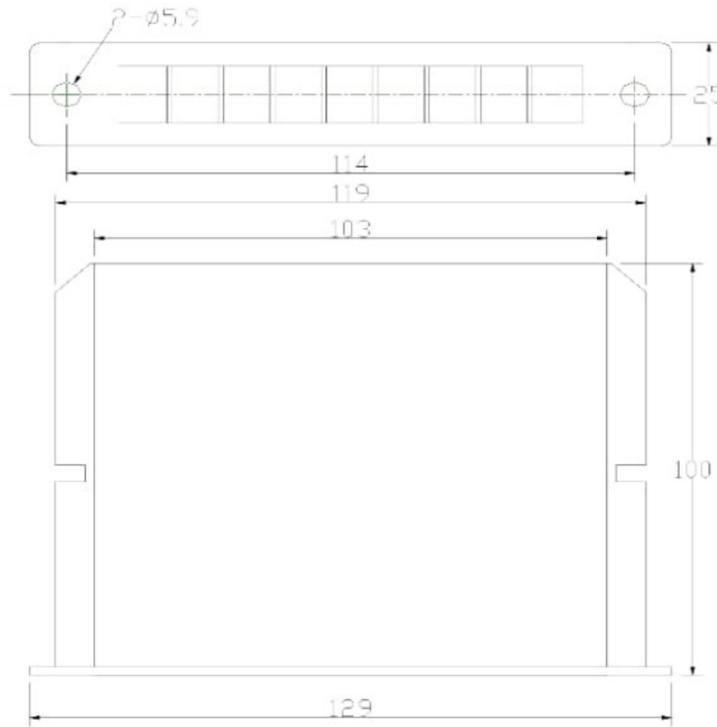
FIBRE OPTIC SPLITTERS

www.fcttech.com

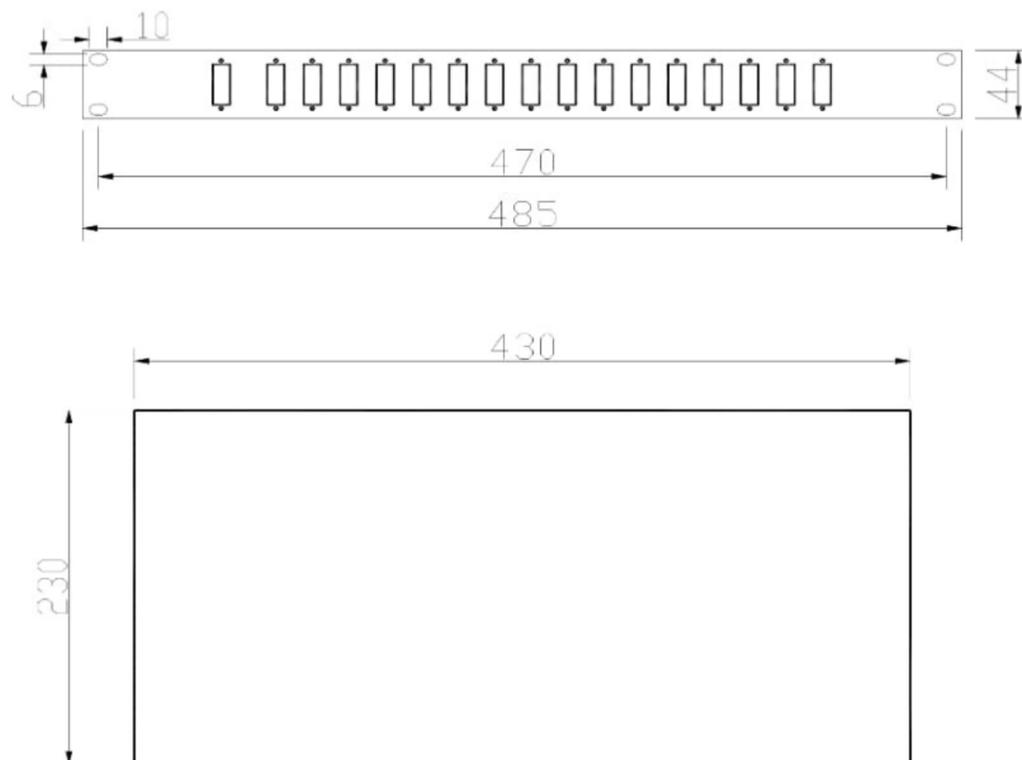
3. LGX Box:



4. Cassette PLC Splitter



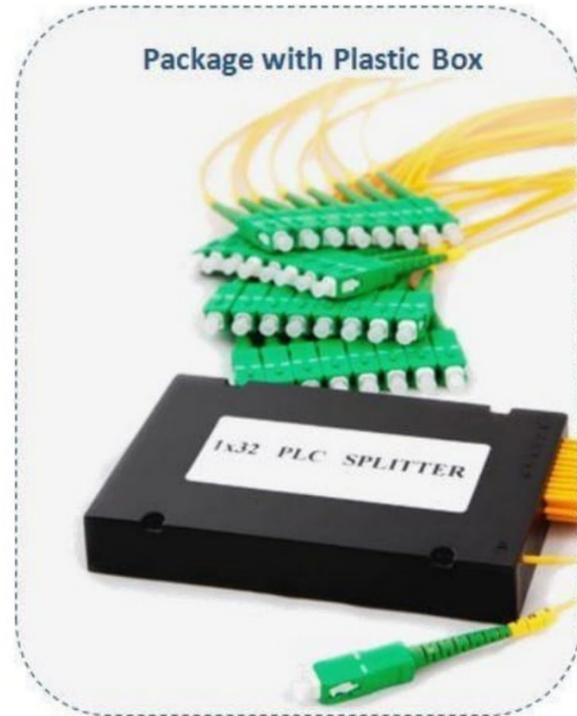
5. 19' Rack Mount:



FIBRE OPTIC SPLITTERS

www.fcttech.com

Photos of Products:



PRODUCT	TURKSAT CODE	BRAND/MODEL
1:2 Optik Splitter	TKS-OPS-03	FCF/T-PLC1.2S.OS
1:4 Optik Splitter	TKS-OPS-04	FCF/T-PLC1.4S.OS
1:8 Optik Splitter	TKS-OPS-05	FCF/T-PLC1.8S.OS
1:16 Optik Splitter	TKS-OPS-06	FCF/T-PLC1.16S.OS
1:32 Optik Splitter	TKS-OPS-07	FCF/T-PLC1.32S.OS