

# PON-POS-3 (PLC Splitter)

## Multi-wavelength Planar Lightwave Circuit Splitter

### PRODUCT DESCRIPTION

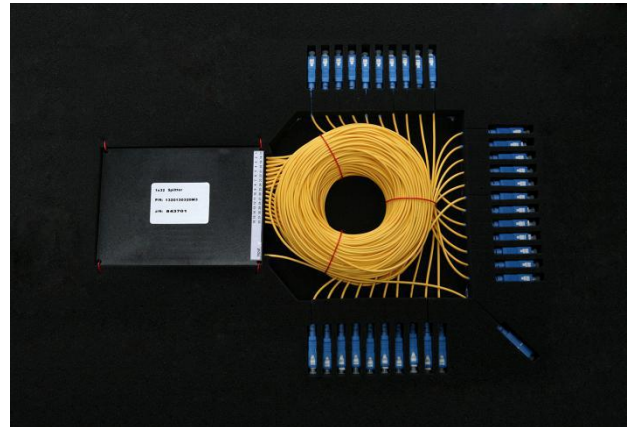
GT multi-wavelength Planar Lightwave Circuit Splitter (PLC Splitter), is a kind of planar light-wave integrated component, and it can distribute optical power within 1260nm~1650nm wavelength that covers three wavelengths used in EPON technology (1310nm, 1490nm and 1550nm). It is especially suitable for FTTP fiber network system that switched-in by EPON ether passive optical network and is used as broadband passive optical splitter (POS).

### PRODUCT FEATURE

- ▶ Broad operating wavelength
- ▶ Equal ratio, Uniformity
- ▶ Low loss
- ▶ Low polarization sensitivity loss.
- ▶ Can resist the change of environment.

### MAIN APPLICATION

- ▶ FTTP (FTTH, FTTO)



## TECHNIQUE INDEX

Operating wavelength(nm)		1260~1650							
Ratio(dB)		1×4		1×8		1×16		1×32	
Insertion loss Max(dB)		S7.7	P7.2	S11.5	P10.5	S14.5	P13.5	S18.2	P17.0
Uniformity Max(dB)		S0.6	P0.5	S0.8	P0.6	S1.2	P1.1	S1.7	P1.7
Reflect loss	APC	S50	P55	S50	P55	S50	P55	S50	P55
Min (dB)	UPC	S45	P50	S45	P50	S45	P50	S45	P50
Polarization dependent loss Max(dB)		S0.3	P0.1	S0.3	P0.1	S0.3	P0.15	S0.3	P0.2
Stable temp. (-40~85℃)(dB)		0.6		0.6		0.8		1.0	
Wavelength dependent loss(dB)		1.0							
Directivity Min(dB)		55							
Pigtail length(m)		1.0±0.1 or customer specified							
Fiber type		SMF-28. 0.9, 2, 3mm or customer specified							
Operating temp.(℃)		-20~70							
Storage temp.(℃)		-40~85							
Size (L×W×H)		100×80×10		100×80×15		120×80×18		120×80×18	

Note: 1. All measurement were done at room temperature, and specification include connectors.

2. S: standard      P: optimum