

## DRAW



## DESCRIPTION

The LC connectors used are small formfactor fiber optic connectors resembling miniature SC connectors with high quality 1.25mm zirconia ferrules and push-pull latching mechanism. They are fully compatible with existing LC hardware.

## FEATURES

- Small Size, High Precision,
- Zirconia 1.25mm ceramics ferrule
- Low Insertion Loss,
- High Return Loss,

## APPLICATIONS

- Telecom and Datacom Equipment
- LAN\WAN
- Device Terminals
- CATV Networks
- Active Device Termination

## SPECIFICATIONS

Characteristics	Unit	Value/Performance		
		SM		MM
		UPC	APC	
<b>Basic</b>				
Insertion Loss (IL)	dB	≤0.3		
Return Loss (RL)	dB	SPC>45 UPC≥50	≥60	≥23
Endurance	dB	ΔIL≤0.2		
Operating Temperature	°C	-20 ~ +70		
Storage Temperature	°C	-40 ~ +70		
<b>Ferrule end-face geometry</b>				
Radius of Curvature (R)	mm	7-25	5-12	NA
Apex Offset	um	≤50		NA
Fiber Protrusion	nm	≤50	≤100	NA
Fiber Under Cut	nm	≤125@ R=7-10	≤100	NA

## SPECIFICATIONS

<b>Mechanical</b>							
Drop				dB	$\Delta IL \leq 0.2$		
Vibration				dB	$\Delta IL \leq 0.2$		
Flex				dB	$\Delta IL \leq 0.2$		
Twist				dB	$\Delta IL \leq 0.2$		
Pull Proof				dB	$\Delta IL \leq 0.2$		
Coupling strength				dB	$\Delta IL \leq 0.2$		
Static Bending				dB	$\Delta IL \leq 0.2$		
Crushing				dB	$\Delta IL \leq 0.2$		
<b>Environmental</b>							
Cold				dB	$\Delta IL \leq 0.2$		
Dry Heat				dB	$\Delta IL \leq 0.2$		
Damp Heat				dB	$\Delta IL \leq 0.2$		
<b>Transmission</b>							
Characteristics	Unit	G652 SM	G655 SM	Std. 50um	62.5um	OM2	OM3
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/1550)	0.3 (1550)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)
Min. Bandwidth	MHz*km (nm)	-	-	500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)
Dispersion Coefficient	ps/ nm <sup>2</sup> *km	<3.0 (1310nm)	2.6-6.0 (1550nm)	-	-	-	-

## ORDER INFORMATION

P/N	Description
CPG-1203	Fiber Optic Pigtail LC Multi-Mode UPC OM3 3mts $\varnothing = 0.9$ mm
CPG-1103	Fiber Optic Pigtail LC Single-Mode UPC 3mts $\varnothing = 0.9$ mm