### Data Sheet 1/2

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## **P/N: 48 SMC SCD**

UPC SC duplex singlemode connector for 900µm/2mm/3mm cables



P/N: 48SMCSCD SC UPC duplex connector, suitable for OS1, OS2 & G657

### **Applications**

MMC optical connectors are ideal for all singlemode applications. These connectors are a part of the complete optical link and suit all types of singlemode networks, like Telecom, LAN (local Area Network), WAN (Wide Area Network) and MAN (Metropolitan Area Network). They can be assembled thanks to the MMC MASTER heat cure tool kit, or either any other cold cure tool kit.

#### General Characteristics

- Optically and mechanically compatible with all the equivalent adapters.
- Singlemode connector with ceramic ferrule (ZrO<sub>2</sub>) and blue composite body
- 900µm, 2mm & 3mm black boots included
- Crimp termination
- Packaging : pack of 6 units

### Standards compliance

- IEC 60874-14,
- CECC BFOC 86260
- Bellcore/Telcordia
- TIA/EIA 604-3, TIA/EIA 568
- With no hazardous substances as detailed in ROHS 2002/95/EC



## Data Sheet 2/2

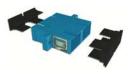
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UPC SC duplex singlemode connector for 900µm/2mm/3mm cables

Physical Properties		
Types	SC	
Surface of the ferrule	Ultra Polished	
Outside diameter of the ferrule	2.5mm +/- 0.001mm	
Material of ferrule	ZrO <sub>2</sub> (Zirconia / Ceramic)	
Connector surface	Convex	
Connection of fiber	Ероху	
Material of body	Composite, blue housing	
Ferrule drilling	125/126 μm	
Type of boots	900μm, 2mm & 3mm	
Colour of boots	black	
Insertion method	Push-pull	

Optical performances	
Mating cycles:	> 1000 cycles. After 2000, typical increase of 0.05 dB
Return Loss	> 40.0 dB
Insertion Loss (Attenuation)	< 0.20 dB
Variations at low temperature (-10°C during 4 days)	< 0.3 dB
Variations at high temperature (60°C during 4 days)	< 0.3 dB
Variations at high humidity (90 à 95% @ 40°C during 4 days)	< 0.3 dB
Operating temperature range	-40°C to 80°C
Storage temperature range	-40°C to 90°C

Related products			
Part number	Description	Packaging	
48 SMT SCD	UPC Singlemode duplex SC adapter	Pack of 6	
MMC MASTER	Optical tool case	Unit	





48SMTSCD MMC MASTER

Ordering information			
Part number	Description	Packaging	
48 SMC SCD	UPC Singlemode duplex SC connector	Pack of 6	