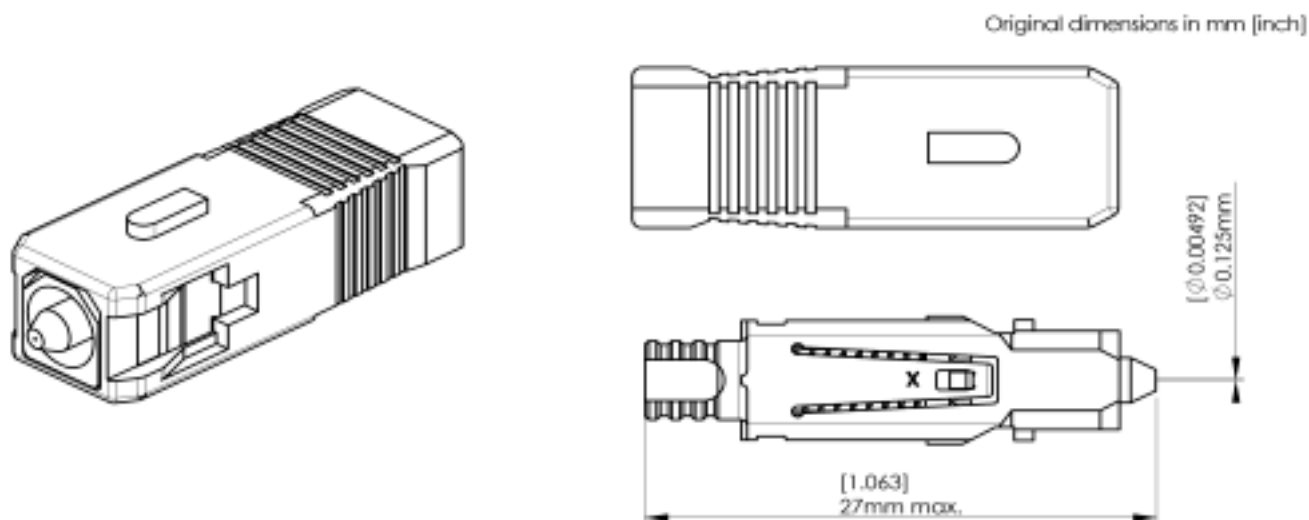


	RADIALL Optical fiber components	TECHNICAL DATA SHEET			series F728	Issue 3/31/00	Page 1/1
SC	SINGLEMODE OPTICAL PLUG SUB-ASSEMBLY	Packaging : 1	F 7 2 8 0 1 1 0 0 0				
		Packaging : 100	F 7 2 8 1 1 1 0 0 0				



GENERAL

Type	: IEC 61754-4 type SC Singlemode zirconia APC ceramic ferrule (pencil type) Push-pull latching system Floating ferrule 360° tunable (adjustable to 6 positions for optimization of random insertion loss)
Ferrule size	: 125µm
Fiber size	: 9,5/125µm singlemode
Cable	: DIA (0,9mm - 0,6/1 - 0,8/1,6) buffered fiber - DIA (2 to 3) tight or semi-loose structure
Cabling proc.	: Refer to 503 08 400 (D 6121 oe) assembly instruction manual

CHARACTERISTICS (Dependant on fiber or cable construction)

Optical	: Attenuation at 1310 and 1550nm, LD			
		STD	TUNED (IEC 61300-2-40)	
	mean	< 0,20 dB	<0,20 dB	(Attenuation plug mated with reference
	standard deviation	0,15 dB	0,15 dB	plug IEC 61300-3-4)
	max.	< 0,8dB,97%	< 0,6dB,99%	(Attenuation of random mated
	mean	0,25 dB	0,15dB	connectors IEC 61300-3-34)
	Repeatability	0,10 dB	0,10 dB	(Maximum loss variation, IEC 61300-2-2)
	Return loss	>60 dB	>60dB	(Mated and unmated, IEC 61300-3-6)

Mechanical	: Mechanical endurance	200 matings
	Cable retention	N/A
Environmental	: Temperature range (storage/operating)	-40°C to +85°C / -40°C to +70°C

(Performance and specification: see document GEN - F728 001)

CREATION					RADIALL 101, rue P. Hoffmann - Z.I. Ouest 93116 ROSNY / BOIS Cedex-France Phone : (0033) 149353535 Fax : (0033) 48546363
N° :					
PEN/EP : CAT.					
Name : PB					
Date : 11 Aug. 99	3/31/00	The shroud is represented	LAHERA		
App. : LV	Issue	Revisions	Name	App.	



**GENERAL ENVIRONMENTAL CHARACTERISTICS FOR
SC FIBER OPTIC CONNECTOR**

14.Apr.99

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Materials

connector : Inflammability V0 (UL94)
Material in accordance with BELLCORE
GR 326 CORE Issue 2, par. 3.3.1

crimp body : brass, nickel plated
inner crimp sleeve : brass, nickel plated

PERFORMANCE AND SPECIFICATION

Thermal age test EIA/TIA-455-4A, 85°C 168 hr.

Thermal cycle test EIA/TIA-455-3A, -40°C to +75°C, 21 cycles 168 hr.

Humidity age EIA/TIA-455-5A, 75°C 95% RH, 168 hr.

Humidity/Condensation cycling test EIA/TIA-455-3A, 95%, -10 + 65°C, 14 cycles, 168 hr.

Post Condensation cycle test EIA/TIA-455-3A, -40°C to +75°C, 21 cycles 168 hr.

Vibration test Bellcore 326, 10 to 50 Hz, 2 hrs./axis

Flex test Type I * Bellcore 326, 0.9 Kg load, 100 cycles

Twist test Type I * Bellcore 326, 1.35 Kg load
Type II ** Bellcore 326, 0.75 Kg load

Proof test Type I * Bellcore 326, Straight pull : 10 Kg load at 0°
Side pull : 2 Kg load at 90°
Type II ** Bellcore 326, Straight pull : 1 Kg load at 0°

Transmission with applied tensile load Type I * Bellcore 326, 2,0 Kg load
Type II ** Bellcore 326, 0,7 Kg load

Impact test Bellcore 326, 1.5 m drop, 10 cycles

Durability Bellcore 326, 200 cycles

Dust Bellcore 326 - Issue 2

Adhesive test Bellcore 326, 65°C, 7 days

Airborne contaminants Type I * Bellcore 326, ASTM B827-92

Salt spray EIA/TIA-455-16A, 35°C, 168 hr.

Immersion / corrosion Bellcore 326, 85°C, 14 days

Ground water immersion Bellcore 326, 22°C, 7 days

(*) : Type I cable media, reinforced, DIA ~ 3mm

(**) : Type II cable media, 900µm coating

(GR-409-CORE)

CREATION

Name : GONIN P.
Date : 14.Apr.99
App. : THIBAUD P.

Issue

Revisions

Name

App.

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