

SMB Connector (Low Cost Version)

PSC Series



Conforming Standard
MIL-C-39012

Connector Type
SMB

Frequency Range
DC ~ 4GHz

Characteristic Impedance
50 Ω

Applicable Cable
1.5D-2W, UT-085
RG-316

Lock Type
Push-on

Mounting Type
DIP or SMT



OUTLINE

PSC series is intermateable with SMB connectors which conform to MIL-C-39012 and modified smaller and lighter. The shell and contact are press-fabricated and the insulator is formed by mold to meet low cost requirement.

APPLICATIONS

Base station, Telecom, Measurement equipment

FEATURE

1. VSWR is less than 1.2 at frequency range DC ~ 4GHz.
2. Mating height is 9mm(max.) from PCB surface.
3. Applicable cable is a flexible cable and a semi-flexible cable.

SPECIFICATIONS

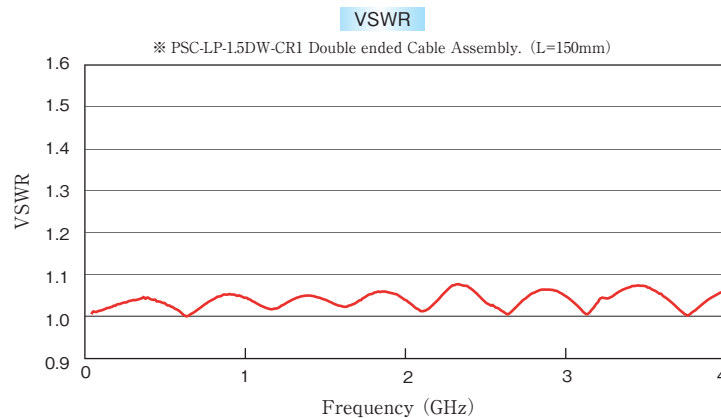
Characteristic Impedance	50 Ω
Dielectric Withstanding Voltage	1000V AC(r.m.s) / 1minute
Insulation Resistance	1000M Ω (min.) at 500V DC
Contact Resistance	6m Ω (max.)
Frequency Range	DC ~ 4GHz
VSWR	1.2(max.)
Mating Height	9.0mm(max.) (PSC series)

* The specifications are typical but may not apply to all connectors. Please check the specifications on each item with its drawing from us when you use.

MATERIAL/FINISH

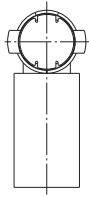
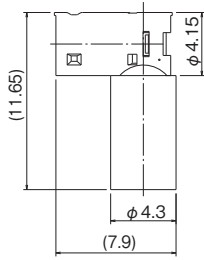


Contact	Copper Alloy / Au Plating
Insulator	Fluorine Resin
Outer Conductor	Copper Alloy / Ni Plating, Au Plating



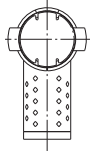
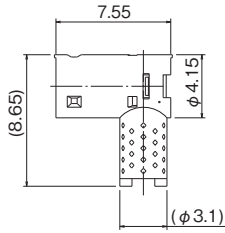
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▶ Plug Connector



Part Number	Contact	Outer Conductor	Applicable Cable
PSC-LP-1.5DW-CR1	Au	Ni	1.5D-2W Equivalent 1.5D-HQ · SUPER (Fujikura) Equivalent
PSC-LP-1.5DW-CR1-D1		Au	
PSC-LP-316U-CR1	Au	Ni	RG-316/U Equivalent
PSC-LP-316U-CR1-D1		Au	

◎ Please favor us your cable assembly order to assure the performance.
 ※ Appearance is exactly same.



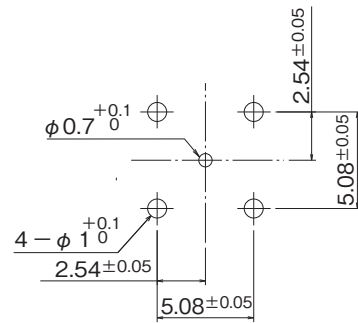
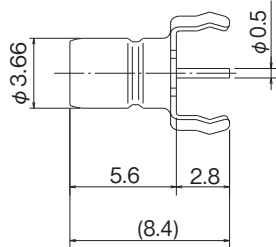
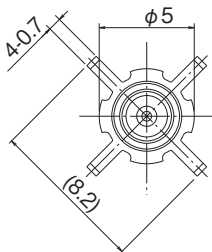
Part Number	Contact	Outer Conductor	Applicable Cable
PSC-LP-FCCAX1-SO	Au	Ni	FCCAXB1 (Nissei) Equivalent (UT-85 Equivalent Semi-flexible Cable)
PSC-LP-FCCAX1-SO-D1		Au	

◎ Please favor us your cable assembly order to assure the performance.

▶ Straight Receptacle Connector

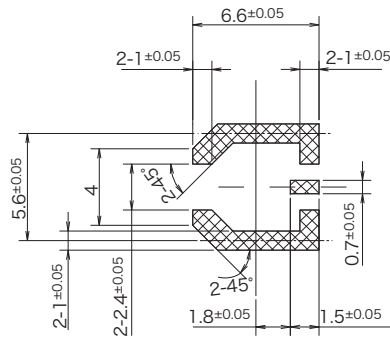
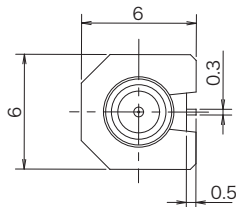
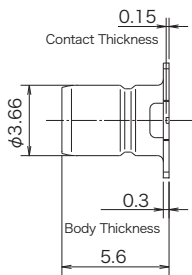
DIP Type

Part Number	Contact	Outer Conductor
PSC-SR-PC	Au	Ni



SMT Type

Part Number	Contact	Outer Conductor
PSC-SR-PS-D1	Au	Au



PCB Mounting Dimensions

PCB Land Reference Dimensions

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