

27DS Series

SMC Type Connectors



- 27DS series are connectors produced based on SMC type (Sub-miniature type C) specified in MIL-C-39012.
- 27DS is super small size coaxial cable connectors for 50 Ω group corresponding to minimization of communication equipment.
- Screw coupling method is applied to connection method and crimping method is applied to cable fixing.
- Recommendation coupling torque : 24.5 ~ 35.3 N·cm

CONFORMING STANDARD

MIL-C-39012

SPECIFICATION

Characteristic Impedance	50 Ω
Dielectric withstanding voltage	1000V AC (rms) for 1 minute
Insulation resistance	1000M Ω min. at 500V DC
Contact resistance	6m Ω max.
VSWR	1.2max. at DC ~ 1GHz

Specifications depends on each connector although these are basic specifications.

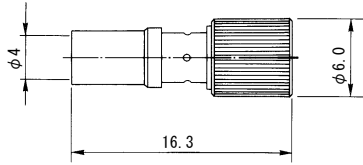
MATERIAL/FINISH

Shell (Body)	Copper alloy/Gold or Nickel plating
Contact (male)	Copper alloy/Gold plating
Contact (female)	Copper alloy/Gold plating
Insulators	PTFE

Please ask us for the cable assemblies to assure its performance.

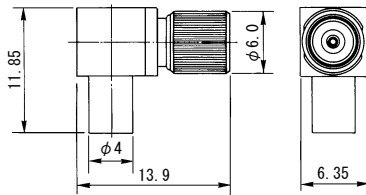
Unit : mm

■ Plug



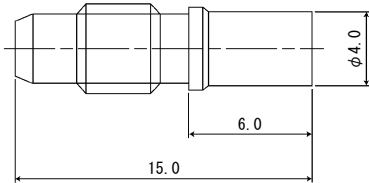
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
27DS-P-1.5	1.5D-QEV	Ni	Au	CR-H-1101
	1.5D-2V			
27DS-P-196U	RG-196A/U	Ni	Au	CR-H-1101

■ Right Angle Plug



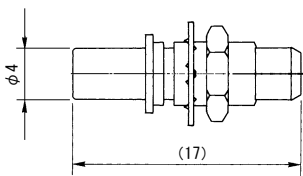
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
27DS-LP-1.5	1.5D-QEV	Ni	Au	CR-H-1101
	1.5D-2V			
27DS-LP-196U	RG-196A/U	Ni	Au	CR-H-1101

■ Jack

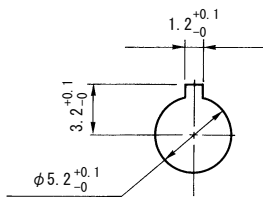


P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
27DS-J-196U	RG-196A/U	Ni	Au	CR-H-1101

■ Bulkhead Jack



Mounting Hole



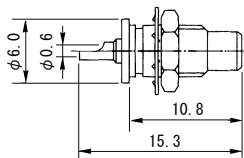
P/N	Applicable Cable	Finish		Hand Crimp Tool P/N
		Shell	Contact	
27DS-BJ-1.5	1.5D-2V	Ni	Au	CR-H-1101
	RG-174/U			

Panel Thickness:3.0 Max.

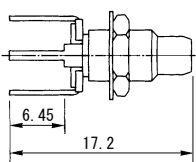
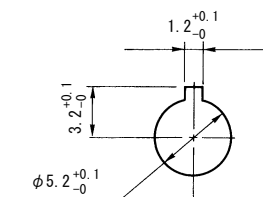
27DS Series

Unit : mm

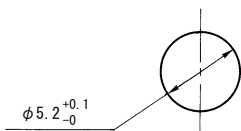
■ Receptacle



Mounting Hole



Mounting Hole



P/N	Finish	
	Shell	Contact
27DS-BR	Ni	Au
27DS-BR-Au	Au	Au

Panel Thickness:2.8 Max.

P/N	Finish	
	Shell	Contact
27DS-R-PC	Ni	Au

Panel Thickness:3.0 Max.

PCB Mounting Dimensions

