

DRAWING FOR REFERENCE: THIS SUBJECT TO CHANGE WITHOUT NOTICE

Applicable standard			
Rating	Operating temperature range	-55 °C to +125 °C ( 95 %RH Max.)	Storage temperature range -55 °C to +125 °C ( 95 %RH Max.)
	Power	-- W	Characteristic impedance 50 Ω( 0 to 18 GHz)
	Peculiarity	----	Applicable cable ----

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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**CONSTRUCTION**

General examination	Visually and by measuring instrument.	According to drawing.	X	X
Marking	Confirmed visually.		-	-

**ELECTRICAL CHARACTERISTICS**

Contact resistance	10 mA Max.(DC or 1000 Hz)	Center contact 12 mΩ Max.	X	X
		Outer contact 12 mΩ Max.	X	X
Insulation resistance	500 V DC.	1000 MΩ Min.	X	X
Withstanding voltage	500 V AC for 1 min. current leakage 2 mA Max.	No flashover or breakdown.	X	X
Return loss	Frequency 0 to 18 GHz.	Return loss 20dB Min.	X	X
Insertion loss	Frequency - to - GHz.	--- dB Max.	-	-

**MECHANICAL CHARACTERISTICS**

Contact insertion and extraction forces	φ 0.35 <sup>0</sup> <sub>-0.005</sub> by steel gauge.	Insertion force --- N Max.	-	-
		Extraction force 0.2 N Min.	X	X
Insertion and extraction forces	Measured by applicable connector.	Insertion force --- N Max.	-	-
		Extraction force --- N Min.	-	-
Mechanical operation	500 times insertion and extractions.	1)Contact resistance: Center contact 24 mΩ Max. Outer contact 24 mΩ Max.	X	-
		2)No damage, crack and looseness of parts.		
Vibration	Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s <sup>2</sup> at 10 cycles for 3 directions.	1)No electrical discontinuity of 1 μs.	X	-
		2)No damage, crack and looseness of parts.		
Shock	490 m/s <sup>2</sup> directions of pulse 11 ms at 3 times for 3 directions.		X	-
Cable clamp strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of --- mm/min. and record the strength at which the cable or connector breaks.	--- N Min.	-	-


**ENVIRONMENTAL CHARACTERISTICS**

Damp heat	Exposed at -10 to +65 °C, 90 to 98 % total 10 cycles.( 240 h)	1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	-
Rapid change of temperature	Temperature -65 → - → +125 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.	No damage, crack and looseness of parts.	X	-
Corrosion salt mist	Exposed in 5 % salt water spray for 48 h.	No heavy corrosion. (The quality is judged by Return loss performance)	X	-

Count	Description of revisions	Designed	Checked	Date
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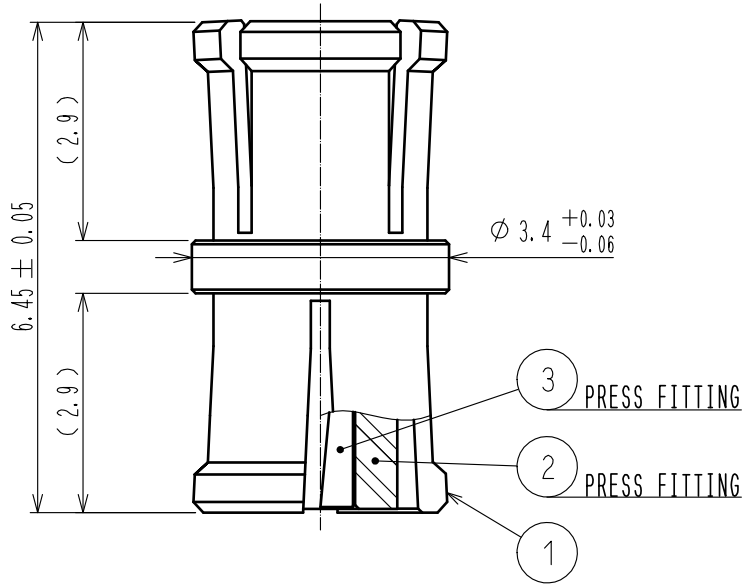
Remark RoHS COMPLIANT	Approved	KY.SHIMIZU	16.11.07
	Checked	TO.KATAYAMA	16.11.05
	Designed	RO.YOKOYAMA	16.11.05
	Drawn	RO.YOKOYAMA	16.11.05

Unless otherwise specified, refer to MIL-STD-202.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing No.	ELC-364312-00-00	
	SPECIFICATION SHEET	Part No.	SMP-A-JJ-645-18G
	HIROSE ELECTRIC CO., LTD.	Code No.	CL338-1005-0-00

A  
B  
C  
D  
E

A  
B  
C  
D  
E



RoHS Compliant

2	PTFE							
1	BERYLLIUM COPPER	GOLD PLATING		3	BERYLLIUM COPPER	GOLD PLATING		
NO.	MATERIAL	FINISH . REMARKS		NO.	MATERIAL	FINISH . REMARKS		
UNITS mm		SCALE 10:1	COUNT 	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
<b>HIROSE ELECTRIC CO., LTD.</b>	APPROVED	: KY. SHIMIZU	16.11.07	DRAWING NO.	EDC-364312-00-00			
	CHECKED	: TO. KATAYAMA	16.11.05	PART NO.	SMP-A-JJ-645-18G			
	DESIGNED	: RO. YOKOYAMA	16.11.05	CODE NO.	CL338-1005-0-00			
	DRAWN	: RO. YOKOYAMA	16.11.05		1/1			

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