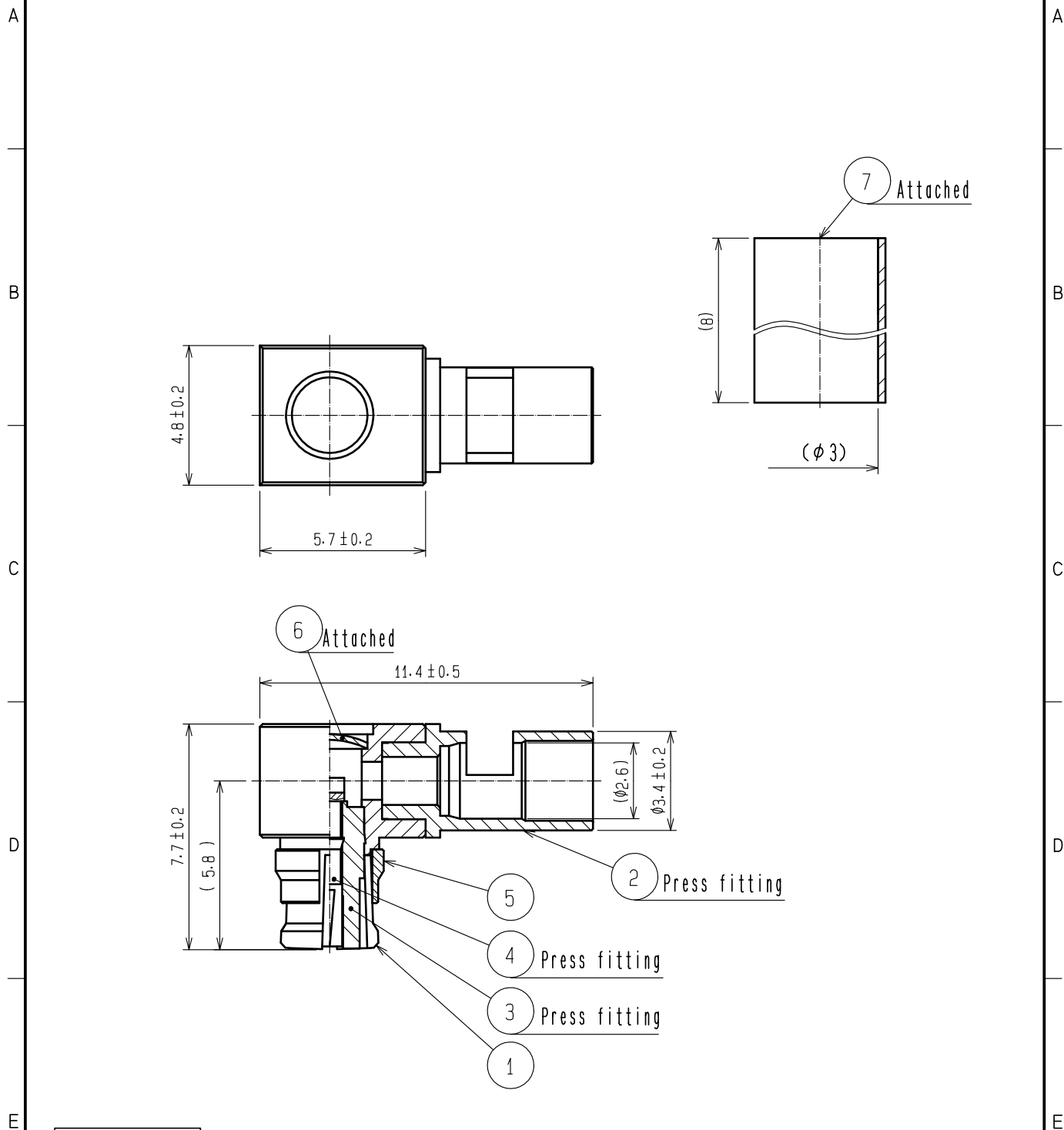


Applicable standard					
Rating	Operating temperature range	-55 °C to +125 °C ( 95 %RH Max.)	Storage temperature range	-55 °C to +125 °C ( 95 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω ( 0 to 18 GHz)	
	Peculiarity	----	Applicable cable	TF-MMF (7/0.17) NISSEI ELECTRIC	
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
General examination		Visually and by measuring instrument.		According to drawing.	X X
Marking		Confirmed visually.			- -
ELECTRICAL CHARACTERISTICS					
Contact resistance	100 mA Max.(DC or 1000 Hz)		Center contact 6 mΩ Max.	X	X
			Outer contact 6 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 10 GHz.		Return loss 20 dB Min.	X	-
	Frequency 10 to 15 GHz.		Return loss 15 dB Min.		
	Frequency 15 to 18 GHz.		Return loss 10 dB Min.		
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 12 mΩ Max. Outer contact 12 mΩ Max. 2)No damage, crack and looseness of parts.	X	-
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. 2)No damage, crack and looseness of parts.	X	-
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 30 mm/min. and record the strength at which the cable or connector breaks.		49 N Min.	X	-
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.		Return loss 20 dB Min.	X	-
			Return loss 15 dB Min.		
			Return loss 10 dB Min.		
Count	Description of revisions		Designed	Checked	Date
△					
Remark RoHS COMPLIANT			Approved	KY.SHIMIZU	17.01.25
			Checked	KY.SHIMIZU	17.01.25
			Designed	TY.OZAKI	17.01.25
			Drawn	TY.OZAKI	17.01.24
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-374158-00-00	
HRS	SPECIFICATION SHEET		Part No.	SMP-LJ-TFMMF-18G	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL338-1007-0-00	△ 1/1



RoHS COMPLIANT

4	Beryllium copper	Gold plating						
3	PTFE			7	Polyolefin	Heat shrink tube (Black)		
2	Stainless steel	Gold plating		6	Brass	Nickel plating		
1	Beryllium copper	Gold plating		5	Beryllium copper	Gold plating		
NO.	MATERIAL	FINISH .	REMARKS	NO.	MATERIAL	FINISH .	REMARKS	
UNITS mm		SCALE 5 : 1	COUNT 	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
<b>HRS</b> HIROSE ELECTRIC CO., LTD.		APPROVED : KY. SHIMIZU	17. 01. 25	DRAWING NO.		EDC-374158-00-00		
		CHECKED : KY. SHIMIZU	17. 01. 25	PART NO.		SMP-LJ-TFMMF-18G		
		DESIGNED : TY. OZAKI	17. 01. 25	CODE NO.		CL338-1007-0-00		
		DRAWN : TY. OZAKI	17. 01. 24					