Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard		MIL-STD-348B		
Rating	Operating temperature range	△3 -55 ℃ to +125 ℃ (95 %RH Max.)	Storage temperature range	-20 ℃ to +70 ℃ (90 %RH Max.)
	Power	-- W	Characteristic impedance	50 Ω (0 to 30 GHz)
	Peculiarity	----	Applicable cable	----

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 (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
V.S.W.R. 1	Frequency 0 to 30 GHz.	V.S.W.R. 1.5 Max.	X	—
Insertion loss	Frequency - to - GHz.	--- dB Max.	—	—
MECHANICAL CHARACTERISTICS				
Contact insertion and extraction forces	φ --- by steel gauge.	Insertion force --- N Max.	—	—
		Extraction force --- N Min.	—	—
Insertion and extraction forces 1	Measured by applicable connector. [SMPJ-HKJ]	Insertion force 65 N Max.	X	X
		Extraction force 16 N Min.	X	X
Mechanical operation 1	100 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 1	Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s^2 at 10 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	—
Shock 1	490 m/s^2 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 1	Exposed at +25 to +65 ℃, 90 to 98 % total 10 cycles.(240h)	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 1	Temperature -55 → - → +125 → - ℃ Time 30 → 3 → 30 → 3 min. Under 5 cycles.	No damage, crack and looseness of parts.	X	—
Corrosion salt mist 1	Exposed in 5 % salt water spray for 48 h.	V.S.W.R. 1.5 Max. [0 to 30 GHz]	X	—

	Count	Description of revisions	Designed	Checked	Date
△3	1	DIS-D-00003210	TK.SAWAGUCHI	KY.SHIMIZU	18.06.07

Remark
RoHS COMPLIANT
Note 1 The characteristic after mounting on the board.
Unless otherwise specified, refer to IEC 60512.

Approved	TO.KATAYAMA	17.09.05
Checked	KY.SHIMIZU	17.09.05
Designed	TK.SAWAGUCHI	17.09.05
Drawn	TK.SAWAGUCHI	17.09.05

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

HRS	SPECIFICATION SHEET	Drawing No.	ELC-373487-00-00	
		Part No.	SMP-PR(FD)-SMT-1	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL338-1102-0-00	△3 1/1

FORM HD0011-2-1