

Applicable standard					
Rating	Operating temperature range	-55 °C to +85 °C (90 %RH Max.)	Storage temperature range	-55 °C to +85 °C (90 %RH Max.)	
	Power	-- W	Characteristic impedance	50 Ω (0 to 6 GHz)	
	Peculiarity	----	Applicable cable	0.047 inch semi-flexible 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 10 mΩ Max.	X	X
			Outer contact 5 mΩ Max.	X	X
Insulation resistance		500 V DC.	500 MΩ Min.	X	X
Withstanding voltage		500 V AC for 1 min. current leakage 2 mA Max.	No flashover or breakdown.	X	X
Voltage standing wave ratio		Frequency 0 to 6 GHz.	VSWR 1.3 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		Measured by applicable connector.	Insertion force --- N Max.	—	—
			Extraction force 6 N Min.	X	X
Mechanical operation		100 times insertion and extractions.	1)Contact resistance: Center contact 20 mΩ Max. Outer contact 10 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 ² at 12 cycles for 3 directions.	1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.	X	—
Shock		735 m/s ² directions of pulse 6 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.	20 N Min.	X	—
ENVIRONMENTAL CHARACTERISTICS					
Damp heat		Exposed at +25 to +65 °C, 90 to 98 % total 10 cycles.(240 h)	1)Insulation resistance: 10 MΩ Min. (at high humidity) 2) Insulation resistance: 500 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	—
Rapid change of temperature		Temperature -55 → - → +85 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.	No damage, crack and looseness of parts.	X	—
⚠(Delete)					
	Count	Description of revisions	Designed	Checked	Date
⚠	1	DIS-D-00002067	TM.YOSHIDA	TO.KATAYAMA	17.05.09
Remark RoHS COMPLIANT			Approved	KY.SHIMIZU	16.07.25
			Checked	KY.SHIMIZU	16.07.25
			Designed	TM.YOSHIDA	16.07.25
			Drawn	TM.YOSHIDA	16.07.25
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-363419-00-00	
HRS	SPECIFICATION SHEET		Part No.	MMCX(AR)-LP-SF047	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL339-0029-0-00	⚠ 1/1