

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	-----		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				-	-
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		100 mA MAX (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
VOLTAGE PROOF		500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X	X
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 6 GHz.		VSWR 1.2 MAX.		X	-
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.		-	-
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		0 φ0.37 -0.003 BY STEEL GAUGE.		INSERTION FORCE	N MAX.	-	-
				EXTRACTION FORCE	0.2~2 N	X	X
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE	N MAX.	-	-
				EXTRACTION FORCE	N MAX.	-	-
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 20 mΩMAX.CHANGE OUTER CONTACT 10 mΩMAX.CHANGE 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 12 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
SHOCK		735 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	-
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)		APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		-	-
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT		EXPOSED AT +40 °C, 95 % ( 96h )		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→ 25~30→+85 →25~30 °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		X	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE	
0							
REMARK RoHS COMPLIANT				APPROVED	IJ.MITANI	05.09.14	
NOTE 1 IT SHOWS THE CONDITION AFTER MOUNTING ON THE PCB.				CHECKED	KY.SHIMIZU	05.09.13	
Unless otherwise specified, refer to JIS C 5402.				DESIGNED	TO.KATAYAMA	05.09.13	
				DRAWN	MT.KANEKO	05.09.05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-133939-40		
HRS	SPECIFICATION SHEET		PART NO.		MMCX-R-PC (40)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL339-0005-8-40		
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