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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 ² 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 ² 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	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)		
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