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

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
Δ					Δ				
Δ					Δ				
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)			STORAGE TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)			
	POWER	50/√f (GHz) W			CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO 18 GHz)			
	PECULIARITY	—			APPLICABLE CABLE	—			
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						—	—
<b>ELECTRIC CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz)			CENTER CONTACT	8 mΩ MAX.		○	○
					OUTER CONTACT	8 mΩ MAX.		○	○
INSULATION RESISTANCE		500 V DC.			5000 MΩ MIN.		○ ○		
VOLTAGE PROOF		1000 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.				
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 18 GHz.			VSWR 1.2 MAX.		○ —		
INSERTION LOSS		FREQUENCY — TO — GHz			— dB MAX.		— —		
<b>MECHANICAL CHARACTERISTICS</b>									
CONTACT INSERTION AND EXTRACTION FORCES		φ0.91 <sup>+0.005</sup> / <sub>-0</sub> BY STEEL GAUGE.			INSERTION FORCE		— —		
					EXTRACTION FORCE		1.5 N MIN		○ ○
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE		— N MAX.		
					EXTRACTION FORCE		— N MAX		
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: CENTER CONTACT 12 mΩMAX.CHANGE OUTER CONTACT 12 mΩMAX.CHANGE		○ —		
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s <sup>2</sup> AT 4 HOURS FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.		○ —		
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
SHOCK		1960 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.					○ —		
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.				
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
DAMP HEAT,CYCLIC		EXPOSED AT +25 TO +65 °C, 90~98 % 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.				
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 — — — +85 — — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		○ —		
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 4 8 h.			NO HEAVY CORROSION.		○ —		
<b>REMARKS</b>									
Unless otherwise specified, refer to JIS C 5402.					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					<i>m. Watanabe</i>	<i>N. Ninomiya</i>	<i>O. Mitani</i>	<i>T. Kobayashi</i>	
					01.10.12	01.10.12	01.10.12	01.10.12	
Note QT:Qualification Test AT:Assurance Test O:Applicable Test									
<b>HR</b> HIROSE ELECTRIC CO., LTD.				<b>SPECIFICATION SHEET</b>			PART NO. HRMP (PO) -HRMJ		
CODE NO.(OLD)		DRAWING NO.		PART NO.				1/1	
CL396-5570-4		ELC4-138460		CL323-0741-8					

