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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				
APPLICABLE STANDARD									
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	—			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						—	—
ELECTRIC CHARACTERISTICS									
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.				
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		φ0.91 ^{+0.005} ₋₀ 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 mΩ MAX. CHANGE OUTER CONTACT 12 mΩ MAX. CHANGE		○ —		
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² 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 ² 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.				
ENVIRONMENTAL CHARACTERISTICS									
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 48 h.			NO HEAVY CORROSION.				
REMARKS									
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									
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. HRMP (PO) - HRMJ		
CODE NO.(OLD)		DRAWING NO.		PART NO.				1	
CL396-5570-4		ELC4-138460		CL323-0741-8				1	

FORM No.231-1

