

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 +125°C(95%RH MAX)			STORAGE TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)																		
	POWER	_____ W			CHARACTERISTIC IMPEDANCE	50Ω (0.045 TO 60GHz)																		
	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		1000 mA MAX (DC OR 1000 Hz). (STANDARD FOR MATING PORTION ONLY.)			CENTER CONTACT	4 mΩ MAX.		○	-															
					OUTER CONTACT	4 mΩ MAX.		○	-															
INSULATION RESISTANCE		250 V DC.			500 MΩ MIN.			○	○															
VOLTAGE PROOF		300 V AC FOR 1 min. CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.			○	○															
VOLTAGE STANDING WAVE RATIO <span style="border: 1px solid black; padding: 2px;">1</span>		FREQUENCY 0.045 TO 60 GHz			VSWR : 1.15 MAX.	0.045 - 26.5 GHz		○	○															
					VSWR : 1.25 MAX.	26.5 - 50 GHz																		
					VSWR : 1.35 MAX.	50 - 60 GHz																		
INSERTION LOSS		FREQUENCY _____ GHz			dB MAX.			-	-															
<b>MECHANICAL CHARACTERISTICS</b>																								
CONTACT INSERTION AND EXTRACTION FORCES		φ0.495 <sup>0</sup> <sub>-0.005</sub> BY STEEL GAUGE.			INSERTION FORCE	N MAX.		-	-															
					EXTRACTION FORCE	0.2~2 N.		○	○															
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE	N MAX.		-	-															
					EXTRACTION FORCE	N MIN.		-	-															
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: CENTER CONTACT 6 mΩ MAX. CHANGE OUTER CONTACT 6 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 <sup>2</sup> AT 12 CYCLES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			○	-															
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.																			
SHOCK		980 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO WITHDRAWAL AND BREAKAGE OF CABLE.			-	-															
					② NO BREAKAGE OF CLAMP.																			
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 -10 TO +65 °C, 90~98 % TOTAL 10 CYCLES (240 h)			① INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY)			○	-															
					② INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY)																			
					③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.																			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 → — → +125 → — °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.			○	-															
<b>REMARKS</b>																								
NOTE <span style="border: 1px solid black; padding: 2px;">1</span>																								
<b>MEASURING METHOD</b>																								
					<table border="1"> <tr> <td>DRAWN</td> <td>DESIGNED</td> <td>CHECKED</td> <td>APPROVED</td> <td>RELEASED</td> </tr> <tr> <td>N. Asana</td> <td>N. Asana</td> <td>J. Mitani</td> <td>T. Kobayashi</td> <td></td> </tr> <tr> <td>'03.4.14</td> <td>'03.4.14</td> <td>'03.4.14</td> <td>'03.04.15</td> <td></td> </tr> </table>					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	N. Asana	N. Asana	J. Mitani	T. Kobayashi		'03.4.14	'03.4.14	'03.4.14	'03.04.15	
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N. Asana	N. Asana	J. Mitani	T. Kobayashi																					
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Unless otherwise specified, refer to MIL-STD-202.																								
Note QT:Qualification Test AT:Assurance Test O:Applicable Test																								
<b>HRS HIROSE ELECTRIC CO., LTD.</b>				<b>SPECIFICATION SHEET</b>			PART NO.																	
							HV-BR01																	
CODE NO.(OLD)		DRAWING NO.		PART NO.		1/1																		
CL396-6555-6		ELC4-300258		CL338-0200-7																				

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