

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 +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	_____																		
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		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 1		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.			-	-															
MECHANICAL CHARACTERISTICS																								
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE	N MAX.		-	-															
					EXTRACTION FORCE	N MIN.		-	-															
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 mΩMAX.CHANGE OUTER CONTACT 6 mΩMAX.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 12 CYCLES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			○	-															
					② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.																			
SHOCK		980 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 -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.			○	-															
REMARKS																								
NOTE 1					<table border="1"> <thead> <tr> <th>DRAWN</th> <th>DESIGNED</th> <th>CHECKED</th> <th>APPROVED</th> <th>RELEASED</th> </tr> </thead> <tbody> <tr> <td>N. Asano</td> <td>N. Asano</td> <td>J. Mitani</td> <td><i>Kobayashi</i></td> <td></td> </tr> <tr> <td>103.4.14</td> <td>103.4.14</td> <td>103.4.14</td> <td>03.04.15</td> <td></td> </tr> </tbody> </table>					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	N. Asano	N. Asano	J. Mitani	<i>Kobayashi</i>		103.4.14	103.4.14	103.4.14	03.04.15	
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N. Asano	N. Asano	J. Mitani	<i>Kobayashi</i>																					
103.4.14	103.4.14	103.4.14	03.04.15																					
MEASURING METHOD																								
Unless otherwise specified, refer to MIL-STD-202.																								
Note QT:Qualification Test AT:Assurance Test O:Applicable Test																								
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. HV-BPR01																	
CODE NO.(OLD) CL396-7187-0		DRAWING NO. ELC4-300264			PART NO. CL338-0203-5			1	1															

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