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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	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	POWER	100 W	CHARACTERISTIC IMPEDANCE	50Ω (0.8 TO 2.2 GHz)	
	USED CONNECTOR	95% MAX(NO CONDENSATION)	WATERPROOF	IPX7	
	---	---	USED CONNECTOR	N-J	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
ELECTRIC CHARACTERISTICS					
V.S.W.R.	MUST BE UNDER THE STD.VALUE AT FREQUENCY 0.8 TO 2.2 GHz	1.3 MAX	X	X	
INSERTION LOSS	MUST BE UNDER THE STD.VALUE AT FREQUENCY 0.8 TO 2.2 GHz	0.2 dB MAX	X	X	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
VIBRATION	FREQUENCY 10 TO 2000 Hz, TOTAL AMPLITUDE 1.52 mm, 196 m/s ² AT 4 HOURS, FOR 3 DIRECTIONS.	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
SHOCK	ACCELERATION:490m/s ² DURATION:11m/s ² , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS.	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
ENVIRONMENTAL CHARACTERISTICS					
MOISTURE RESISTANCE	EXPOSE TO -10~+65 °C, 80 ~ 100 %, 10 CYCLES (240 HOURS.) THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-58~-55→20~35→85~88→20~35°C TIME 30 → 5MAX → 30 → 5MAX min TEST 5 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
SURGE IMMUNITY TEST	IEC61000-4-5 ED2 LEVEL4 APPLY COMBINATION WAVE(1.2/50 μ s,8/20 μ s) ±4kV ,5 EACH TIMES	①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
IMPULSE WITHSTANDING	APPLY IMPULSE WHICH HAS THE DURATION IN 8/20 MICRO SECONDS AND THE WAVEFORM OF PLUS/MINUS 50kA AT EACH FIVE TIMES.	NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
	APPLY IMPULSE WHICH HAS THE DURATION IN 10/350 MICRO SECONDS AND THE WAVEFORM OF PLUS/MINUS 35kA AT EACH ONE TIME.	NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-	
SALT SPRAY (CORROSION)	EXPOSE TO 5 % SALT WATER SPRAY FOR 48 HOURS.	NO CORROSION WHICH AFFECTS THE OPERATION OF COMPONENT.	X	-	
WATER PROOF	SUBMERGE IT AT THE DEPTH OF 1 METER FOR 30 MINUTES IN A PROPER CONDITION.	NO WATER INTRUSION INTO CONNECTOR INSIDE.	X	-	
AIR PRESSURE WITHSTANDING	APPLY AIR PRESSURE OF 17.6 kPa FOR 30 SECONDS IN A PROPER CONDITION.	NO SEQUENTIAL LEAKAGE OF BUBBLE FROM CONNECTOR INSIDE.	X	X	
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARK			APPROVED	KY. SHIMIZU	16.03.11
(1)RoHS COMPLIANT			CHECKED	TO. KATAYAMA	16.03.10
(2)NOT INCLUDE THE ADAPTER LOSS IN INSERTION LOSS.			DESIGNED	YI. FUNADA	16.03.09
Unless otherwise specified, refer to IEC 60512.			DRAWN	YI. FUNADA	16.03.09
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-178986-00-00		
HRS	SPECIFICATION SHEET		PART NO.	CP-N-JJS-1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL355-0134-0-00	△ 1/1