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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	-10°C TO +65°C	STORAGE TEMPERATURE RANGE	-10°C TO +65°C		
	POWER	2(AT 25°C) W CW 1(AT 65°C) W CW	CHARACTERISTIC IMPEDANCE	50 Ω (DC TO 18 GHz)		
	OPERATING RELATIVE HUMIDITY	95% MAX	USED CONNECTOR	SMA.P-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 DC TO 4.0 GHz		MAXIMUM OF 1.15		X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 4.0 TO 12.4 GHz		MAXIMUM OF 1.20			
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 12.4 TO 18.0 GHz		MAXIMUM OF 1.30			
ATTENUATION	MUST BE UNDER THE STD.VALUE AT FREQUENCY DC TO 12.4 GHz		2.5 TO 3.5 dB.		X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 12.4 TO 18.0 GHz		2.0 TO 4.0 dB			
ISOLATION	MUST BE UNDER THE STD.VALUE AT FREQUENCY TO GHz		MINIIMUM OF dB.		-	-
INSULATION RESISTANCE	MUST BE OVER STANDARD VALUE AT DC V.		MINIMUM OF MΩ		-	-
VOLTAGE PROOF	V AC FOR 1 min.CURRENT LEAKAGE 2ma MAX.		NO FLASHOVER OR BREAKDOWN.		-	-
RESISTANCE VALUE	MEASURE THE RESISTANCE VALUE AT DC1V.		Ω ± %		-	-
MECHANICAL CHARACTERISTICS						
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)		APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.		①NO WITHDRAWAL AND BREAKAGE OF CABLE. ②NO BREAKAGE OF CLAMP.	-	-
VIBRATION		FREQUENCY 10 TO 2000 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 4 HOURS, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK		490 m/s ² AT 10 TIMES FOR 3 DIRECTIONS.		NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSE TO °C, ~ %, h. 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.	-	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-58~-55→20~35→85~88→20~35°C TIME 30 →10~15→ 30 →10~15min TEST 5 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.		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	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Q						
REMARK				APPROVED	KY. SHIMIZU	09. 07. 27
				CHECKED	TK. SAWAGUCHI	09. 07. 27
				DESIGNED	RI. SATO	09. 07. 23
Unless otherwise specified, refer to JIS C 5402.				DRAWN	RI. SATO	09. 07. 23
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-030089-02	
HRS	SPECIFICATION SHEET		PART NO.	AT-103 (40)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL354-0017-0-40		1/1