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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	2 W CW	CHARACTERISTIC IMPEDANCE	50 Ω (DC TO 13.0 GHz)	
	OPERATING RELATIVE HUMIDITY	95% MAX	USED CONNECTOR	N.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 2.0 GHz		MAXIMUM OF 1.15	X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 2.0 TO 4.0 GHz		MAXIMUM OF 1.20		
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 4.0 TO 13.0 GHz		MAXIMUM OF 1.25		
ATTENUATION	MUST BE UNDER THE STD.VALUE AT FREQUENCY DC TO 2.0 GHz		9.5 TO 10.5 dB.	X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 2.0 TO 4.0 GHz		9.5 TO 10.8 dB		
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 4.0 TO 13.0 GHz		9.5 TO 11.0 dB		
MECHANICAL CHARACTERISTICS					
VIBRATION	FREQUENCY 10 TO 2000 Hz, TOTAL AMPLITUDE 1.52 mm, 98 m/s ² AT 4 HOURS FOR 3 DIRECTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK	ACCELERATION : 490 m/s ² DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
ENVIRONMENTAL CHARACTERISTICS					
MOISTURE RESISTANCE	EXPOSE TO -10 TO 65 °C, 80 ~ 98 %, TOTAL 10 CYCLES(240 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.	X	-
THERMAL SHOCK	TEMPERATURE-58~-55→20~35→85~88→20~35°C TIME 30 → 5 → 30 → 5 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	-
SALT ATMOSPHERE (CORROSION)	SALT SOLUTION CONCENTRATION 5% SALT WATER SPRAY FOR 48 HOURS.		NO CORROSION WHICH AFFECTS THE OPERATION OF COMPONENT.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARK			APPROVED	MT. SHIBUTANI	12. 02. 01
ROHS COMPLIANT			CHECKED	KY. SHIMIZU	12. 02. 01
			DESIGNED	TK. SAWAGUCHI	12. 01. 30
Unless otherwise specified, refer to MIL-STD-202.			DRAWN	TK. SAWAGUCHI	12. 01. 30
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-030147-01
HRS	SPECIFICATION SHEET		PART NO.	AT-410 (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL354-0035-1-40	 1/1