






APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	POWER	2(AT 25°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		10.0 TO 12.0 dB.	X	X
	MUST BE UNDER THE STD.VALUE AT FREQUENCY 12.4 TO 18.0 GHz		9.75 TO 12.25 dB		
MECHANICAL CHARACTERISTICS					
 VIBRATION	FREQUENCY 10 TO 2000 Hz, TOTAL AMPLITUDE 1.52 mm, 98 m/s <sup>2</sup> AT 4 HOURS FOR 3 DIRECTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK	ACCELERATION : 490 m/s <sup>2</sup> 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					
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
	2	DIS-K-002546	TK. SAWAGUCHI	KY. SHIMIZU	12.02.01
REMARK ROHS COMPLIANT			APPROVED	MT. SHIBUTANI	11.10.13
			CHECKED	KY. SHIMIZU	11.10.13
			DESIGNED	TK. SAWAGUCHI	11.10.11
Unless otherwise specified, refer to MIL-STD-202 			DRAWN	TK. SAWAGUCHI	11.10.11
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-177816-00
	SPECIFICATION SHEET		PART NO.	AT-111V	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL354-0280-5-00	 1/1

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