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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	FREQUENCY RANGE	DC ~ 40 GHz	STORAGE TEMPERATURE RANGE	-55°C ~ + 125°C (No Load) (※1)	
	POWER	1 W CW (AT 65°C)	CHARACTERISTIC IMPEDANCE	50 Ω	
	OPERATING TEMPERATURE RANGE	-10 °C TO +65 °C	APPLICABLE CABLE	---	
	OPERATING RELATIVE HUMIDITY	~ 90 %	USED CONNECTOR	HK-P , HK-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 40 GHz		1.25 MAX (DC ~ 12 GHz)	X	X
			1.4 MAX (12 ~ 40GHz)		
INSERTION LOSS	MUST BE UNDER THE STD.VALUE AT FREQUENCY DC TO 40 GHz		19 dB ~ 21 dB (DC ~ 18GHz)	X	X
			19 dB ~ 21.2 dB (18 ~ 26.5GHz)		
			19 dB ~ 21.4 dB (26.5 ~ 40GHz)		
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 DC V.		MAX	-	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO DAMAGE, CRACK, AND LOOSENESS, OF	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm OR 1 oct/min AT 10 CYCLES FOR 3 DIRECTIONS.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK	490 m/s ² AT 18 TIMES FOR 3 DIRECTIONS.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15~25 → 125 → 15~25 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 100 CYCLES.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO HEAVY CORROSION.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90% TO 95% TOTAL 96 h.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO HEAVY CORROSION.	X	-
DRY HEAT	EXPOSED AT 125 °C TOTAL 48 h.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO HEAVY CORROSION.	X	-
COLD	EXPOSED AT -55 °C TOTAL 48 h.		① ELECTRICAL CHARACTERISTIC SHALL BE MET. ② NO HEAVY CORROSION.	X	-
CORROSION SALT MIST	EXPOSED IN 5±1 % SALT WATER , AT 35±2°C SPRAY FOR 48 HOURS.		1.25 MAX (DC ~ 12 GHz)	X	-
			1.4 MAX (12 ~ 40GHz)		
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	5				
REMARKS RoHS COMPLIANT High frequency performance is only measured and the data is not attached. (※1) The storage temperature range means the one of the product itself without packaging. Unless otherwise specified, refer to IEC 60512.			APPROVED	KH. IKEDA	18.02.13
			CHECKED	TS. NOBE	18.02.13
			DESIGNED	HA. NISHIMURA	18.02.08
			DRAWN	HA. NISHIMURA	18.02.08
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-381562-00-00
HRS	SPECIFICATION SHEET		PART NO.	HK-AT (20)-PJ	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL354-0299-0-00	△ 1/1