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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	\triangle DC ~ 67 GHz	STORAGE TEMPERATURE RANGE	-55°C~+ 125°C(No Load)	
	POWER	0.5 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	HV-P	
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 50 GHz		1.3 MAX	X	X
	MUST BE UNDER THE STD. VALUE AT FREQUENCY 50 TO 67 GHz \triangle		1.4 MAX		
INSERTION LOSS	MUST BE UNDER THE STD.VALUE AT FREQUENCY TO GHz		dB MAX	-	-
INSULATION RESISTANCE	MUST BE OVER STANDARD VALUE AT DC V.		MINIMUM OF M Ω	-	-
VOLTAGE PROOF	V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	-	-
RESISTANCE VALUE	MEASURE THE RESISTANCE VALUE AT DC 1V.		50 Ω \pm 4%	X	X
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm OR 1 oct/min AT 10 CYCLES FOR 3 DIRECTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
SHOCK	490 m/s ² AT 18 TIMES FOR 3 DIRECTIONS.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO DAMAGE, CRACK, AND LOOSENESS, OF PARTS.	X	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 \rightarrow 15~25 \rightarrow 125 \rightarrow 15~25 °C TIME 30 \rightarrow 2~3 \rightarrow 30 \rightarrow 2~3 min UNDER 100 CYCLES.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO HEAVY CORROSION.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90% TO 95% TOTAL 96 h.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO HEAVY CORROSION.	X	-
DRY HEAT	EXPOSED AT 125 °C TOTAL 48 h.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO HEAVY CORROSION.	X	-
COLD	EXPOSED AT -55 °C TOTAL 48 h.		①ELECTRICAL CHARACTERISTIC SHALL BE MET. ②NO HEAVY CORROSION.	X	-
CORROSION SALT MIST	EXPOSED IN 5 \pm 1 % SALT WATER , AT 35 \pm 2°C SPRAY FOR 48 HOURS.		NO HEAVY CORROSION.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
\triangle	2	DIS-D-00001224	YI. FUNADA	TO. KATAYAMA	16.06.01
REMARKS			APPROVED	KY. SHIMIZU	15.10.16
(1) ROHS COMPLIANT			CHECKED	KY. SHIMIZU	15.10.16
(2) USE LEAD FREE SOLDER (Sn3.0Ag0.5Cu).			DESIGNED	TO. KATAYAMA	15.10.16
Unless otherwise specified, refer to IEC 60512.			DRAWN	MH. OGUSU	15.10.16
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-180341-40-40	
HRS	SPECIFICATION SHEET		PART NO.	HV-TMP (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL353-0146-6-40	\triangle 1/1