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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		IEC 61169-32		
RATING	OPERATING TEMPERATURE RANGE	−55°C TO +125°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	−55°C TO +85°C(95%RH MAX)
	POWER	——— W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 65 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 4 mΩ MAX.	×	×
		OUTER CONTACT 2 mΩ MAX.	×	×
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	×	×
VOLTAGE PROOF	200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	×	×
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0 TO 65 GHz.	※VSWR 1.5 MAX. (0 TO 65GHz)	×	×
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	EXTRACTION GAUGE: $\phi 0.495^{0}_{-0.005}$ [mm] STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE 0.05 ～ 2 N MIN.	×	×
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE N MIN.	—	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 4 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s^2 AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	980 m/s^2 DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	EXPOSED AT −10 TO +65 °C, 90～96 % TOTAL 10 CYCLES (240 h) △1	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → -- → +125 → -- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	VSWR CHARACTERISTIC SHALL BE MET.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	1	DIS-D-00004506	AH. MARUYAMA	NK. NINOMIYA	20191030

REMARK
※VSWR is evaluated by de-embeded PCB trace.

UNLESS OTHERWISE SPECIFIED, REFER TO IEC 60512.

APPROVED	NK. NINOMIYA	20191008
CHECKED	NK. NINOMIYA	20191008
DESIGNED	AH. MARUYAMA	20191008
DRAWN	AH. MARUYAMA	20191008

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-384075-12-00

HRS	SPECIFICATION SHEET	PART NO.	HV-LR-SR2(12)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL338-0018-0-12 △1	1/1

FORM HD0011-2-1

Unikeyic Electronics

Global Electronic Components Distributor

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Hirose Electric:

DF22A-1416SCFA DF65-4P-1.7V(21) HDE-CTH(10) RM12BRD-2PH(81) ZE05H-4P-2V(A) ZE064W-8DP-HU/R(A) DF19A-3032SCFA(41) DF36A-25P-SHL FH72-21S-0.3SHW DF17(3.0)-40DS-0.5V(57) DF40C-50DP-0.4V(51) DF59M-2224PCF FX18-60S-0.8SH FH41-30S-0.5SH(05) FX18-80S-0.8SH GT8E-6S-HU ZE05H-12DP-2H FH35C-19S-0.3SHW(50) BM29B0.6-4DS/2-0.35V(51) DF57AH-5S-1.2C RM15TP-2PA(81) DF52-4P-0.8C DF62C-4S-2.2C FX8-120S-SV(22) DF11-16DP-2DSA(24) FH41-50S-0.5SH(28) ZE05-24DP-2H ZH05-20DP-HU(B) DF33C-4S-3.3C RM15TRH-10PH(81)