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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	-30°C TO +70°C			
	POWER	2 W	CHARACTERISTIC IMPEDANCE	50 Ω			
	FREQUENCY RANGE	DC TO 8000 MHz	OPERATING HUMIDITY RANGE	TO 90%			
	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 ※1	100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT	100 mΩ MAX.	×	×	
			OUTER CONTACT	100 mΩ MAX.			
INSULATION RESISTANCE	100 V DC.		1000 MΩ MIN.		×	—	
VOLTAGE PROOF	100 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×	×	
V.S.W.R. ※1	FREQUENCY DC TO 3.0 GHz	1.3 MAX		△	×	—	
	FREQUENCY 3.0 TO 8.0 GHz	1.4 MAX		△			
INSERTION LOSS ※1	FREQUENCY DC TO 3.0 GHz	0.4 dB MAX.		△	×	—	
	FREQUENCY 3.0 TO 6.0 GHz	0.6 dB MAX.		△			
	FREQUENCY 6.0 TO 8.0 GHz	0.8 dB MAX.		△			
ISOLATION	FREQUENCY TO GHz		dB MIN.		—	—	
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	10000 TIMES INSERTIONS AND EXTRACTIONS.		1) ACORDING TO THE V.S.W.R. AND THE INSERTION LOSS SPEC. ABOVE. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm OR 98 m/s <sup>2</sup> 1 octave/min , 10 CYCLES FOR EACH 3 DIRECTIONS.		1) CONTACT RESISTANCE ※1 CENTER :100mΩ MAX. OUTER :100mΩ MAX.		×	—	
SHOCK	ACCELERATION : 490 m/s <sup>2</sup> DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		2) ACCORDING TO THE VOLTAGE PROOF SPEC. ABOVE. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
△		DIS-J-001214	TS. NAKAGAWA	TY. OZAKI	10. 09. 22		
REMARK  ※1. This specification includes MS-180  Unless otherwise specified, refer to IEC-60512.				APPROVED	KY. SHIMIZU	09. 07. 01	
				CHECKED	TY. OZAKI	09. 07. 01	
				DESIGNED	TS. NAKAGAWA	09. 06. 24	
				DRAWN	TS. NAKAGAWA	09. 06. 24	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test			DRAWING NO.		ELC4-180888-00		
HRS	SPECIFICATION SHEET		PART NO.	MS-180-HRMJ-1			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL358-0285-4-00			
				△	1/1		