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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	-40°C TO +85°C
	POWER	2 W	CHARACTERISTIC IMPEDANCE	50Ω
	FREQUENCY RANGE	0.045 TO 6 GHz	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.	×	×
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 0.045 TO 3.0 GHz	1.4 MAX	×	—
	FREQUENCY 3.0 TO 6.0 GHz	1.6 MAX		
INSERTION LOSS ※1	FREQUENCY 0.045 TO 3.0 GHz	0.5 dB MAX.	×	—
	FREQUENCY 3.0 TO 6.0 GHz	0.7 dB MAX.		
ISOLATION	FREQUENCY TO GHz	dB MIN.	—	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	△1 100000 TIMES INSERTIONS AND EXTRACTIONS.	1) ACCORDING TO THE V.S.W.R. AND THE INSERTION LOSS SPEC. ABOVE. ※2 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	1	DIS-D-00004024	RO. FURUYAMA	NK. NINOMIYA	20190509

REMARK

※1. This specification includes MS-180 and HRM.J-ML51.P-A(40).
2. V.S.W.R. and Insertion loss spec is measured with MS-180 which is not used in mechanical operation test.

Unless otherwise specified, refer to IEC-60512 .

APPROVED	KH. IKEDA	20170324
CHECKED	NK. NINOMIYA	20170324
DESIGNED	RO. FURUYAMA	20170324
DRAWN	RO. FURUYAMA	20170324

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

DRAWING NO. ELC-373693-00-00

HRS	SPECIFICATION SHEET	PART NO.	MS-180-ML51. J-F6	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL358-0362-0-00 △1	1/1

FORM HD0011-2-1