APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−40°C TO +85°C	STORAGE TEMPERATURE RANGE	−30°C TO +70°C
	POWER	2 W	CHARACTERISTIC IMPEDANCE	50Ω
	FREQUENCY RANGE	DC TO 11000 MHz	OPERATING HUMIDITY RANGE	TO 90% (NO CONDENSATION)
	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 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 △2 FREQUENCY 3.0 TO 6.0 GHz △2 FREQUENCY 6.0 TO 11.0 GHz	1.2 MAX 1.3 MAX 1.4 MAX △2	×	—
INSERTION LOSS ※1	FREQUENCY DC TO 3.0 GHz △2 FREQUENCY 3.0 TO 6.0 GHz △2 FREQUENCY 6.0 TO 11.0 GHz	0.10dB MAX. △2 0.20dB MAX. 0.30dB MAX. △2	×	—
ISOLATION ※2	FREQUENCY DC TO 3.0 GHz FREQUENCY 3.0 TO 6.0 GHz FREQUENCY 6.0 TO 11.0 GHz	25 dB MIN. △2 20 dB MIN. △2 12 dB MIN.	×	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm OR 98 m/s^2 1 octave/min , 10 CYCLES FOR EACH 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX.	×	—
SHOCK	ACCELERATION : 490 m/s^2 DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△2	9	DIS-J-000972	TS. NAKAGAWA	TY. OZAKI	09. 05. 09

REMARK
※1. This spec is only for receptacle .
Refer to the spec sheet of each plug regarding the mated condition.
2. This spec is adapted for any plug.
Unless otherwise specified, refer to IEC-60512.

APPROVED	KJ. KAWAMURA	08. 11. 08
CHECKED	TY. OZAKI	08. 11. 07
DESIGNED	TS. NAKAGAWA	08. 11. 07
DRAWN	TS. NAKAGAWA	08. 11. 07

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

DRAWING NO. ELC4-180771-00

SPECIFICATION SHEET	PART NO.	MS-180	
HIROSE ELECTRIC CO., LTD.	CODE NO.	CL358-0265-7-00 △2	1/2

FORM RD0071-2-1

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → 5−35 → +85 → 5−35 °C TIME 30 → 2−3 → 30 → 2−3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DRY HEAT	EXPOSED AT +85℃, 96h.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD	EXPOSED AT -55℃, 96h.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT +40℃, 90～95%, 96h. THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	1) CONTACT RESISTANCE CENTER CONTACT: 100mΩMAX. OUTER CONTACT: 100mΩMAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDER HEAT	SOLDER TEMPERATURE 260℃ FOR IMMERSION DURATION 10 sec .	1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—