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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	−25°C TO +75°C(AT PACKING)
	POWER	−w	CHARACTERISTIC IMPEDANCE	φ0.9 FIBER

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
OPTICAL CHARACTERISTICS				
INSERTION LOSS	MEASUREMENT AT WAVE LENGTH 1310±30nm(LD)	≦1.0 dB(SM) 2 MATING ≦0.7 dB(GI) WITH 1.5dB-MODESCRAMBLER	X	—
RETURN LOSS	MEASUREMENT AT WAVE LENGTH 1310±30nm(LD)	≧40 dB(SM)	X	—
MECHANICAL CHARACTERISTICS				
MATING DURABILITY	5,000 INSERTION AND EXTRACTION.	INSERTION LOSS RANGE : ≦0.3dB NO LOOSENESS, BREAKAGE,CRACKS	X	—
VIBRATION (JIS E 4031, 5,B)	2 HOURS OF 2 DIRECTION AT AN AMPLITUDE OF 2.3mm WITH THE FREQUENCY SWEEPING CONTINUOUSLY BETWEEN 40 Hz.		X	—
SHOCK (JIS E 4032,2,A)	3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 88m/s²		X	—
ENVIRONMENTAL CHARACTERISTICS				
COMPOSITE HUMIDITY CYCLE	HUMIDITY : 90～96% TEMPERATURE : -10～65℃ TIME : 240HOURS(10CYCLE)	INSERTION LOSS RANGE : ≦0.3dB NO LOOSENESS, BREAKAGE,CRACKS	X	—
TEMPERATURE CYCLING	TEMPERATURE : -40～75℃ 42CYCLE (TELCORDIA GR-326-CORE)		X	—
RESISTANCE TO DRY HEAT	TEMPERATURE : 85℃ FOR 240HOURS		X	—
RESISTANCE TO COLD	TEMPERATURE : -40℃ FOR 240HOURS		X	—
SALT MIST	SALT MIST : 5% FOR 1000HOURS	NO HEAVY CORROSION RUINS THE FUNCTION.	X	—
WATER RESISTANCE (MATING)	PUT THE PRODUCT UNDER WATER FOR 1 min. WITH AIR PRESSURE 4.9kPa.	NO AIR LEAKAGE	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠					

REMARK

Unless otherwise specified, refer to JIS C 5961(IEC61300 SERIES).

APPROVED	MT. SHIBUTANI	18.02.02
CHECKED	FS. YOSHIDA	18.02.02
DESIGNED	TY. SATO	18.02.02
DRAWN	MK. INOUE	18.02.02

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

DRAWING NO. ELC-176888-31-00

HRS	SPECIFICATION SHEET	PART NO.	MF10B-WRFH01-0200(31)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL709-1008-2-31 ⚠1	1/1

FORM HD0011-2-1