

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C		STORAGE TEMPERATURE RANGE	-25°C TO +75°C		
	POWER	- w		CHARACTERISTIC IMPEDANCE	OPTICAL CABLE(φ5.5 TO φ6)		
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(LED)		≤1.4 dB(SM) 2 MATING ≤0.7 dB(GI)		X	—
RETURN LOSS		MEASUREMENT AT WAVE LENGTH 1310±30nm(LD)		≥ 40 dB(SM) , ≥22 dB(GI)		X	—
MECHANICAL CHARACTERISTICS							
TENSILE STRENGTH (AXIAL)		A TENSILE FORCE TO CORD AXIALLY AT 200N		INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS,BREAKAGE, CRACKS		X	—
MATING DURABILITY		200 INSERTION AND EXTRACTION.				X	—
VIBRATION		2 HOURS OF 2 DIRECTION AT AN AMPLITUDE OF 1.5mm WITH THE FREQUENCY SWEEPING CONTINUOUSLY BETWEEN 10 AND 55 Hz.				X	—
SHOCK		3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 981m/s²				X	—
ENVIRONMENTAL CHARACTERISTICS							
COMPOSITE HUMIDITY CYCLE		HUMIDITY : 90~96% TEMPERATURE : -10~65°C TIME : 240HOURS(10CYCLE)		INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS, BREAKAGE,CRACKS		X	—
TEMPERATURE CYCLING		TEMPERATURE : -40~75°C 42CYCLE (TELCORDIA GR-326-CORE)				X	—
RESISTANCE TO DRY HEAT		TEMPERATURE : 85°C FOR 240HOURS				X	—
RESISTANCE TO COLD		TEMPERATURE : -25°C FOR 240HOURS				X	—
SALT MIST		SALT MIST : 5% FOR 500HOURS		NO HEAVY CORROSION RUINS THE FUNCTION.		X	—
WATER RESISTANCE		PUT THE PRODUCT UNDER WATER FOR 1 min. WITH AIR PRESSURE 4.9 kPa.		NO AIR LEAKAGE		X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	
Q							
REMARK  Unless otherwise specified, refer to IEC61300.				APPROVED	MT. SHIBUTANI		18. 02. 02
				CHECKED	FS. YOSHIDA		18. 02. 02
				DESIGNED	TY. SATO		18. 02. 02
				DRAWN	MK. INOUE		18. 02. 01
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-179290-31-00	
HRS	SPECIFICATION SHEET			PART NO.	MF10S-WP6C52-0200 (31)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL709-0215-1-31		△ 1/1