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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	
	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/s ²		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	DATE	
0					
REMARK		APPROVED	MT. SHIBUTANI	18. 02. 02	
Unless otherwise specified, refer to IEC61300.		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