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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	O.D.5mm		
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±20nm(LED)	≤1.0 dB(SM) ≤0.5 dB(GI) (WITH 1.5dB-MODESCRAMBLER)	X	-		
RETURN LOSS	MEASUREMENT AT WAVE LENGTH 1310±20nm(LD)	≥40 dB(SM) , ≥22 dB(GI)	X	-		
MECHANICAL CHARACTERISTICS						
TENSILE STRENGTH (AXIAL)	A TENSILE FORCE TO CORD AXIALLY AT 100N	INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS,BREAKAGE, CRACKS	X	-		
FLEX RESISTANT	10,000 TIMES AT 90 DEGREE, RIGHT AND LEFT DIRECTION		X	-		
MATING DURABILITY	5,000 INSERTION AND EXTRACTION.		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/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 : -40°C 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	
Q						
REMARK			APPROVED	MT. SHIBUTANI	18. 02. 02	
Unless otherwise specified, refer to JIS C 5961.(IEC 61300 SERIES)			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-178551-31-00
HRS	SPECIFICATION SHEET		PART NO.	MF10B-WP5CH02-0200 (31)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL709-1047-4-31	△	1/1