

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C to +85°C	STORAGE TEMPERATURE RANGE	-25°C to +70°C (AT PACKING)	
			CHARACTERISTIC IMPEDANCE	O.D.6.5 to 7.0mm,TWO-FIBERS, WITH STRENGTH MAMBER	
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 (LD) (SM) MEASUREMENT AT WAVE LENGTH 1310±20nm (LED) (GI)		≤0.7 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 400N		INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS,BREAKAGE, CRACKS	X —
FLEX RESISTANT		10,000 TIMES AT 90 DEGREE, RIGHT AND LEFT DIRECTION, WEIGHT OF 500g			X —
MATING DURABILITY		5,000 INSERTION AND EXTRACTION.			X —
VIBRATION		FREQUENCY 40Hz,2 HOURS OF THE RIGHT AND LEFT,4 HOURS OF THE VERTICAL DIRECTION AT AN AMPLITUDE OF 2.3mm AND AN ACCELERATION 14.8G.			X —
SHOCK		4 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 88m/s ² AND LENGTH OF EFFECTIVENESS 0.025s			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 TIME : 336HOURS(42CYCLE)			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
0					
REMARK			APPROVED	MT. SHIBUTANI	18. 02. 02
UNLESS OTHERWISE SPECIFIED, REFER TO IEC 61300 SERIES.			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-179215-31-00
HRS	SPECIFICATION SHEET		PART NO.	MF10B-WPS6. 5CH02-0200 (31)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL709-1048-7-31	△ 1/1