

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C to +85°C	STORAGE TEMPERATURE RANGE	-25°C to +75°C	
	POWER		CHARACTERISTIC IMPEDANCE	φ 0.9mm	
SPECIFICATIONS					
ITEM	TEST METHOD(JIS C 5961)		REQUIREMENTS	QT	AT
CONSTRUCTION					
DIMENSION,CONSTRUCTION AND FINISHING	SHALL BE CARRIED OUT VISUALLY AND MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
OPTICAL PERFORMANCE					
INSERTION LOSS	MEASUREMENT AT WAVE LENGTH 1310±30nm (LED)		≤ 1.4 (SM) ≤ 0.7 (GI) 1.5dB mode scrambler	X	—
	<p style="text-align: center;">I. L. = -10 log (Vm / V0)</p>				
RETURN LOSS	MEASUREMENT AT WAVE LENGTH 1310±30nm (LD)		≥ 40 dB (SM)	X	—
MECHANICAL TESTS					
MATING DURABILITY	200 INSERTION AND EXTRACTION.		CHANGE IN INSERTION LOSS: ≤ 0.3 dB	X	—
VIBRATION	VIBRATION FOR 2 HOURS IN 2 DIRECTIONS AT AN AMPLITUDE OF 1.5mm WITH THE FREQUENCY RANGE 10 to 55 Hz.		NO LOOSENESS,BREAKAGE, CRACKS	X	—
SHOCK	3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 981m/s ²			X	—
TEMPERATURE,HUMIDITY,CONDENSATION AND ENVIRONMENTAL TESTS					
COMPOSITE HUMIDITY CYCLE	HUMIDITY : 90 to 96% TEMPERATURE : -10 to 65°C TIME : 240HOURS(10CYCLE)		CHANGE IN INSERTION LOSS: ≤ 0.3 dB NO LOOSENESS,BREAKAGE, CRACKS	X	—
TEMPERATURE CYCLING	TEMPERATURE : -40 to 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 240HOURS		NO HEAVY CORROSION RUINS THE FUNCTION.	X	—
WATER RESISTANCE	PUT THE PRODUCT UNDER WATER FOR 1min. WITH AIR PRESSURE 4.9 kPa		NO AIR LEAKAGE	X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
0					
REMARK Unless otherwise specified, refer to JIS C 5961.			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-176609-31-00
HRS	SPECIFICATION SHEET		PART NO.	MF10S-WDRFN01-0200 (31)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL709-0548-4-31	1/1