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 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

APPLICABLE STANDARD				
Operating condition	Characteristic impedance	Differential 100 [ohm]	Operating temperature range	-10 to +60 [deg. C] (85 %RH MAX) No freezing and condensing
	Storage temperature Range (before unpacking)	-10 to +60 [deg. C] (93 %RH MAX)	Storage temperature Range (after mounting, but not working)	-40 to +85 [deg. C] (85 %RH MAX) No freezing and condensing
	Applicable connector	BF4-RX plug (Terminated optical fiber)		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
Dimension, Construction and Finishing	Shall be carried out visually and measuring instrument.	According to drawing	X	X
Marking	Confirmed visually		X	X
<b>ELECTRIC PERFORMANCE</b>				
Data rate	Shall be checked by Eye Diagram when input differential 100 mV signal. (*1)	No mask hit at 0.5 to 3.0 Gbps.	X	-
Voltage proof	100 V AC for 1 min. (Shall be tested this product alone.)	No flashover or breakdown.	X	X
<b>MECHANICAL CHARACTERISTICS</b>				
Durability	50 cycles of mating and extraction. (*1)	No looseness, breakage and cracks (Visual and data rate check)	X	-
Vibration	Vibration for 10 cycles in 3 directions, at an amplitude of 1.5 mm with the frequency range 10 to 55 [Hz].(*1)		X	-
Shock	3 times and 3 directions with the acceleration 490 [m/s <sup>2</sup> ] in duration 11 ms. (*1)		X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
Temperature cycling	Temperature : -40 to +85 deg C Time : 10 [min] to 10 [min] Number of cycle : 100 cycles (*1)	No looseness, breakage and cracks (Visual and data rate check)	X	-
Resistance to dry heat	Temperature : 85 deg C Time : 1000 hours (*1)		X	-
Resistance to cold	Temperature : -40 deg C Time : 1000 hours (*1)		X	-
Applying current under heat and humidity	Temperature : 85 deg C, Humidity : 85%RH Time: 1000 hours, Applying current. (*1)		X	-
Temperature and humidity cycling	Shall be test 10 cycles of temperature ( -10 deg.C ⇔ +65 deg.C ) and humidity (93 %RH) cycling.		X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				

REMARK (*1) Shall be checked by mating with BF4M cable assembly (Tx-Rx).	APPROVED	MT.SHIBUTANI	13.03.01
	CHECKED	SJ.SHIMIZU	13.03.01
	DESIGNED	KS.JOKURA	13.02.28
	DRAWN	KS.JOKURA	13.02.28

Note QT: Qualification Test, AT: Assurance Test      DRAWING NO.      **ELC4-178304-10**

<b>HRS</b>	<b>SPECIFICATION SHEET</b>	PART NO.	BF4-RX-14DS-0.5V(10)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL831-0009-9-10	△	1/1