Storage temperange (before unpack			-10 to +60 [deg. C] (40 to 75%RH		Storage ter range (after but not ope	r mounting,		-40 to +85 [deg. C] (85%RH MAX) No freezing and condensing			λX)
Operating	Operating tem range		-10 to +60 [deg. C] (85%RH MAX) Characte			istic		Differential 100 [ohm]			
condition Input signal IF			SLVS-200		ACTIVATE		je 1	.0 to	3.6V		
Input signal vo			Differential voltage 200 to	1400 mV				3.0 to 3.6V (typ 3.3V)			
	Suitable conne										
			SPEC	IFICA	ATIONS						
	TEM				110110		DE	-01111	DEMENTS	ОТ	AT
CONST	RUCTION	TEST METHOD				REQUIREMENTS				QT	Į.
	Construction	Check visually and measure dimension with dimension				According to the drawing				X	X
and Finishing Marking		measurement instrument. Check visually.				4				X	X
	IC CHARA		•							1 /	
				erential :	200m\/n	No ma	ask hit a	t 0.05	to 6 25 Ghns	X	Τ-
Data rate performance		Measure eye diagram when input differential 200mVp signal.				No mask hit at 0.05 to 6.25 Gbps (The mask should be similar to standard ethernet mask)					
		Measure eye diagram input 6.25Gbps PRBS7 differential				No mask hit (The mask should be				X	Х
		200mVp signal.				similar to standard ethernet mask)					
Signal detect (OE-SDn)		Shall be turned OE-SDn=Low when EO-ACT=High and VDD=3.3V. (Same measurement method as "Data rate")				OE-SDn voltage -0.3 to 1.0V			X	Х	
ACT detect (EO-ACTn)		Shall be turned EO-ACTn=Low when TX is during				EO-A	CTn volt	tage -	0.3 to 1.0V	Х	Х
		VDD=3.3V.				20 No III volkago vio to nov					
Bit error rate (BER)		Measure BER with BERT during input differential 6.25Gbps PRBS7 200mVp signal.				< 1 X 10 ⁻¹²			Х	-	
Dowerson	umntion	Magaura	oursent by digital multipactors	, during a	an aratin a	< 4.00)\A/			X	-
Power consumption		Measure current by digital multimeter during operating condition at VDD=3.3V.				≦160mW					
Output sign	al voltage		Shall be checked by eye diagram when input 6.25Gbps PRBS7 differential 200mVp signal.				160 to 330mVp			X	X
OPTICA	L CHARAC	TERIST	TICS			ı				ı	ı
LED light emission (Green)		Apply V=3.0 to 3.6V at the pin, then check if LED light is visible or not.				Green light shall be visible				X	Х
LED light emission (Amber)		Apply V=3.0 to 3.6V at the pin, then check if LED light is visible or not.				Amber light shall be visible				X	Х
, ,											
	VICAL CH				ith DE4 ID0	NI- I-		- 1	-1	TV	1
		(BF4-IR2) 1000 cycles of mating and unmating with BF4-IR2 socket.				(Visual and data transmission check				X	_
							before and after test)				-
Vibration			or 2 hours in 3 directions, a equency range 10 to 55 [Hz		litude of 1.5mm					Х	-
Shock			d 3 directions with the acce	•						X	-
		490 [m/s²] in duration 11ms.									
Fiber clamping strength		Loading tensile force to the fiber until break for same direction with fiber exit.				1 > 10N				X	-
COUN	IT 5	ECONOTIC	ON OF REVISIONS	1	DESIGNED				CHECKED		\
A 0	VI D	LOURIFIIC	ON OF KEVIOIONS		DESIGNED		+		JILUNED	DATE	
REMARK				<u> </u>			 APPRO\	VED	YY.HIYAMA	2021	21212
		e checked	d by mating with suitable receptacle connector						TS.YAMAZAKI	20221212	
	n board (BF4-I					DESIGNED SK.AOYAMA DRAWN SK.AOYAMA				21206	
	`	is based on using BF4MC type in BF4-IR2.						20221206			
Note QT:Qualification Test, AT:Assurance Test					DRAWING		= 0 0010=0				
wc		PECIFICATION SHEET			PART NO.						
П		OSE ELECTRIC CO., LTD.			CODE NO.	DE NO. CL0831-1275-0-00			Δ	1/2	
	UD0011 2 1	.552 22251110 55., 215.			0000.	L CLU6		JUI-121J-U-UU A		_	1

		SPECIFIC/	ATIONS				
ITEN	И	TEST METHOD		RE	QUIREMENTS	QT	АТ
ENVIRON	MENTAL	CHARACTERISTICS					
Applying temperature and humidity load as storage temperature and humidity test Applying temperature and humidity load as Testmethod Start at 23 deg.C⇒-20 deg.C (72hours) : (Ramp up time 1.5hours) ⇒23 deg.C⇒ (Ramp down time 1.2hours) ⇒ +60 deg.C, 90%Rh (72hours) ⇒23 deg.C			ow	No looseness, breakage and cracks (Visual and data transmission check before test, intermediate test and afte test)	X	-	
Temperature c	ycling test	-40 to 85 degree Celsius with dwell time of 10r 100 cycles	nin,			X	-
High temprerature 85 degree Celsius , 1000 hours storage						Х	-
Low temperatu storage	ire	-40 degree Celsius, 1000 hours				X	-
Temperature a Humidity cyclin		Temperature, Humidity: -10 ⇔ 65 degree Cels w/o applying current. Number of cycle: 10 cycles, Cycle time: 24 hours of cycle: 10 cycles, Cycle time: 24 hours of cycles of cycle time: 24 hours of cycles of cycles of cycles of cycle time: 24 hours of cycles	ours/cycle			X	-
ESD tolerance		(BF4-IR2) Applied voltage 2kV (Human Body N				X	
Note QT:Qua	Note QT:Qualification Test AT:Assurance Test X:Applicable Test			RAWING NO. ELC-3919		0-00	0
HS-	S	PECIFICATION SHEET	PART NO.	BF4-IR2IR2-01-3N		- 1	
	HIR	OSE ELECTRIC CO., LTD.	CODE NO	CL083	1-1275-0-00	Δ	2/2