Storage temp range (before uppage			-10 to +60 [deg. C] (40 to 75%RH		l) range (af	ter mou	mperature r mounting,		-40 to +85 [deg. C] (85%RH MAX No freezing and condensing			
Operating	(before unpacking) Operating temperature		-10 to +60 [deg. C] (85%F		,		9)	Differential 100 [ohm]				
condition range Input signal IF Input signal vo			No freezing and condensing SLVS-200		impedan ACTIVAT		ane					
			Differential voltage 200 to	1400 m\			_		3.6V (typ 3.3V)			
	Suitable con		(BF4-IR2) BF4-IR2-16P-0.		vp Impar por	TOI TOIL	ago	0.0 10	0.0 v (typ 0.0 v)			
			,		ATIONS	<u> </u>						
					AHONO	,				1	T	
	TEM		TEST METHO	D			F	REQUI	REMENTS	QT	AT	
	RUCTION	011		20.	.P	ΙΔ	C C	- 111		1 1/	1 1/	
Dimension, Construction and Finishing			Check visually and measure dimension with dimension measurement instrument.				According to the drawing			X	X	
Marking		_	Check visually.							X	Х	
3	RIC CHAR		<u> </u>							1 -	1 -	
				erential	200mVn	No n	nask hit	at 0.05	to 6 25 Ghps	Х	Τ-	
Data rate performance		signal.	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				Х	
			200mVp signal.				similar to standard ethernet mask)				<u> </u>	
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	X	
ACT detect ( EO-ACTn)			Shall be turned EO-ACTn=Low when TX is during VDD=3.3V.				EO-ACTn voltage -0.3 to 1.0V			X	X	
Bit error rate (BER)			Measure BER with BERT during input differential 6.25Gbps PRBS7 200mVp signal.				< 1 X 10 <sup>-12</sup>			X	-	
Power consumption			Measure current by digital multimeter during operating condition at VDD=3.3V.				≦160mW			X	-	
Output sign	al voltage		Shall be checked by eye diagram when input 6.25Gbps				to 330m	\/n		X	X	
Output sign	iai voitage		fferential 200mVp signal.	en input	0.200bps	100	10 330111	ıνþ			^	
OPTICA	L CHARA					l .						
LED light er	mission	Apply V=3	Apply V=3.0 to 3.6V at the pin, then check if LED light is				en light s	shall be	visible	X	Х	
(Green)		visible or	visible or not.									
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			Х	X	
MECHA	NICAL CH		DISTICS									
				unmatin	a with DE4 ID	2 No.1	laaaana	oo bro	akaga and araaka	X	ı	
Mating Durability		socket.	(BF4-IR2) 1000 cycles of mating and unmating with BF4-IR2 socket.				No looseness, breakage and cracks (Visual and data transmission check before and after test)					
Vibration		\/ibratian f	or 2 hours in 3 directions, at	t an ami	alitude of 1 Ex				,	X	<u> </u>	
Vibration			equency range 10 to 55 [Hz		Jiilluue Oi 1.3ii	""				^	_	
Shock			d 3 directions with the acce							Х	-	
			in duration 11ms.									
Fiber clamp	oing strength	Loading te	ensile force to the fiber until exit.	break fo	or same directi	on > 10	ON			X	-	
COU	TV TV	             	ON OF REVISIONS		DESIGNED	)		(	CHECKED	DA	ATE	
<b>A</b> 0					·							
REMARK							APPRO	OVED	YY.HIYAMA	2022	21212	
			checked by mating with suitable receptacle connector			r on				2022	20221208	
	n board (BF4	,	,							2022	20221206	
This specifications sheet is based or			n using BF4MC type in BF4-IR2.				DRAWN SK.AOYAMA			2022	20221206	
Note QT:Qualification Test, AT:Assurance Test					DRA	WING	WING NO. ELC-392025			5-00-00		
ПО			PECIFICATION SHEET				BF4-IR2IR2-01-5M					
		ROSE EL	OSE ELECTRIC CO., LTD.		CODE NO		CL0831-1277-0-00		Δ	1/2		

		SPECIFIC/	ATIONS				
ITE	M	TEST METHOD		RE	QUIREMENTS	QT	АТ
ENVIRON	IMENTAL	CHARACTERISTICS					
Applying temperature and humidity load as torage temperature and humidity test  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		low	No looseness, breakage and cracks (Visual and data transmission check before test, intermediate test and after test)		X	-	
Temperature of	cycling test	-40 to 85 degree Celsius with dwell time of 10r 100 cycles	nin,			Х	-
High temprerature 85 degree Celsius , 1000 hours storage						Х	-
Low temperat storage	ure	-40 degree Celsius, 1000 hours				X	-
Temperature : Humidity cycli		Temperature, Humidity: -10 ⇔ 65 degree Cels w/o applying current.  Number of cycle: 10 cycles, Cycle time: 24 hours of cycles of cycl	ours/cycle			X	-
ESD tolerance		(BF4-IR2) Applied voltage 2kV (Human Body N				X	
Note QT:Qu	Note QT:Qualification Test AT:Assurance Test X:Applicable Test			WING NO. ELC-392025		0-00	0
HS	S	PECIFICATION SHEET	PART NO.	ВІ	F4-IR2IR2-01-5N		
	HIR	OSE ELECTRIC CO., LTD.	CODE NO	CL083	1-1277-0-00	Δ	2/2