	BLE STANDARD Operating Temperature Range			0	e Temperature					
Rating			-40°C TO +85°C(95%RH max) (note1)		Range			-30°C TO +60°C(95%RH max) (note1)		
	Voltage		50 V AC / 60 V DC		Current			1.5 A/pin (all pin)		
								3 A/pin (pin No.1,2,6,7)		
			SPEC	IFICA	TION	IS				
I1	ТЕМ		TEST METHOD				REQL	JIREMENTS	QT	A
CONSTR	RUCTION									
General Examination Exar		Examined	xamined visually and with a measuring instrument.				According to drawing.			Х
Marking		Confirmed visually.			A	According to drawing.			Х	>
ELECTR	RIC CHARA	CTERIS	STICS							
Contact Resistance		Measured at 100 mA max (DC or 1000 Hz).				Contact : 30 m Ω max. Shield : 100 m Ω max.			Х	-
Insulation Resistance		Measured	at 500 V DC.		5	500 MΩ min.			Х	_
Voltage Proof		500 V DC applied for 1 min. Current leakage 2mA max.				No flashover or breakdown.			Х	-
Insertion Loss		Measured in the range of 1 to 500 MHz.				0.02 $\sqrt{(f)}$ dB max. (Whenever the formula results in a value less than			x	_
Raturn Loss		Macaurad in the reason of 4 to 500 Mill				0.1 dB, the requirement shall revert to 0.1 dB.)				-
Return Loss		Measured in the range of 1 to 500 MHz.			C	 68 – 20log(f) dB min. (Whenever the formula results in a value greater than 30 dB, the requirement shall revert to 30 dB.) 			x	_
Near end Cro	Near end Crosstalk		Measured in the range of 1 to 500 MHz.			94 – 20log(f) dB min. (1MHz to 250MHz)				
					4	6.04 – 30	30log(f/250) dB min. (250MHz to 500MHz)			_
								a results in a value greater than t shall revert to 75 dB.)		
Far end cross	stalk	Measured	leasured in the range of 1 to 500 MHz.				og(f) dB min			
								a results in a value greater than it shall revert to 75 dB.)	Х	-
Transverse C	onversion Loss	Measured	ured in the range of 1 to 500 MHz.			68 – 20log(f) dB min.				
						(Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)			х	-
Transverse C	onversion	Measured	in the range of 1 to 500 MHz				•	it shall reven to 50 db.)	-	
Transfer Loss		Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min. (Whenever the formula results in a value greater than			x	_
					5	60 dB, the	requiremen	it shall revert to 50 dB.)		
-						nsertion fo	orce 25	N max.	X	T
Insertion and Withdrawal Forces		A maximum rate of 50 mm/min. Measured by applicable connector.				Withdrawal force 25 N max.			^	
Mechanical Operation		5000 times insertions and extractions.				1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max.				T
									Х	-
		σ.	eed : 10 mm/s max.					ax. or looseness of parts.		
Vibration		Rest : 5s, min.(unmated) Frequency 10 to 500 Hz				 No electrical discontinuity of 1µs. 				+
vioraliuri		0.35 mm, 50 m/s ²				2) No damage, cracks or looseness of parts.			x	_
			ch of 3 mutually perpendicular as	xis.						
COUI	NT DES		N OF REVISIONS	C	DESIGNED			CHECKED		L TE
▲ 5		DIS-E	-00001391		JY.IG	A		KI.NAGANUMA	18.0	3.0
Note								17.0	3.2	
Note 1. Non-condensing.			2				ECKED	KI.NAGANUMA	17.0	
Unless ot	herwise spe	cified, re	efer to IEC 60512.			-	SIGNED		17.0	
				<u> </u>		D	RAWN	TS.SAKAIZAWA	17.0	
Note QT:C	Qualification Te		urance Test X:Applicable Test			DRAWING NO.)
HS		SPECIFICATION SHEET			PART NO.		IX40G-B-10S-CV (7. 0)			
		ROSE ELECTRIC CO., LTD.				NO. CL251-00			2	1/2

		-	
TEST METHOD	REQUIREMENTS	QT	A
490 m/s ² , 30 times/min at 1000 times.	1) No electrical discontinuity of 1µs.	x	_
	2) No damage, cracks or looseness of parts.	^	
Subject mated specimens to 300 m/s ² half-sine shock puls of 11 milliseconds duration, 3 shocks in both directions of mutually perpendicular directions (totally 18 shocks)		x	_
Applying 80 N force for the mating axis direction in state in	No unlocking, damage, cracks or looseness of parts	. x	_
	ug No damage, cracks or looseness of parts.	x	_
CHARACTERISTICS			
	1) Voltage proof : 500 V DC applied for 1 min.		
		X	-
	4) No damage, cracks or looseness of parts.		
Low temperature 25 °C; High temperature 65 °C; Cold sub-cycle – 10 °C; Relative humidity 93 % Duration 10 / each 24 h	 Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 	X	_
	a 1) Posistanco:	v	
temperature of 40°C during 21 days.	Contact : 80 mΩ max. Shield : 100 mΩ max. 2) Insulation resistance: 500 MΩ min. (at dry) 3) No damage, cracks or looseness of parts.		
Subject to +85 \pm 2 °C, 21 days. (mating applicable connector)	 Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 	X	-
Subject to -55 \pm 3 °C. 10 days.		X	
(mating applicable connector)	 c) rosocation Contact : 80 mΩ max. Shield : 100 mΩ max. 2) Insulation resistance: 500 MΩ min. (at dry) 3) No damage, cracks or looseness of parts. 		
Subject to 5 % salt water, $35 \pm 2 ^{\circ}$ C, 48h. (left under unmated condition.)	No heavy corrosion of contacts.	Х	-
Test temperature : $+25\pm1$ °C, Relative humidity : 75 ± 3 H ₂ S : 100 ± 20 ppb, NO ₂ : 200 ± 50 ppb Cl ₂ : 10 ± 5 ppb, SO ₂ : 200 ± 20 ppb Duration : 4 days, half mated half unmated (IEC 60512, method 4)	 % 1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. 2) No damage, cracks or looseness of parts. 	X	-
· · · · · · · · · · · · · · · · · · ·	1) Wetting on solder surface.	X	†-
Temperature +350 ± 10 °C, 3 sec at soldering parts. $\sum_{i=1}^{n}$	Δ 2) No solder cluster.		
	fitted with applicable connector. Applying 25times of 30 N 1s for 2 axis direction on tip of pl case in state in fitted with applicable connector. CHARACTERISTICS Subject mated specimens to 10 cycles between -55°C and 85°C with 30 minutes dwell at temp. extremes and 1 minut transition between temperatures. Low temperature 25 °C; High temperature 65 °C; Cold sub-cycle -10 °C; Relative humidity 93 % Duration 10 / each 24 h (IEC 60068-2-38,test Z / AD) Subject mated specimens to a relative humidity of 93 % at temperature of 40°C during 21 days. (mating applicable connector) Subject to +85 \pm 2 °C, 21 days. (mating applicable connector) Subject to 5 \pm 3 °C, 10 days. (mating applicable connector) Subject to 5 % salt water, 35 \pm 2 °C, 48h. (left under unmated condition.) Test temperature : +25 \pm 1 °C, Relative humidity : 75 \pm 3	mutually perpendicular directions (totally 18 shocks) Mounocking, damage, cracks or looseness of parts. Applying 30 N force for the mating axis direction in state in filted with applicable connector. No unlocking, damage, cracks or looseness of parts. Applying 25times of 30 N 1s for 2 axis direction on tip of plug case in state in fitted with applicable connector. No unlocking, damage, cracks or looseness of parts. CHARACTERISTICS Subject mated specimens to 10 cycles between -55°C and 5°C with 30 minutes dwell at temp, extremes and 1 minute transition between temperatures. 1) Voltage proof : 500 V DC applied for 1 min. Subject mated specimens to 10 cycles between -55°C and transition between temperatures. 1) Voltage proof : 500 V DC applied for 1 min. Subject mated specimens to 10 cycles between -55°C and transition between temperatures. 1) Voltage proof : 500 V DC applied for 1 min. Low temperature 25 °C; 10 Resistance: Contact : 80 mΩ max. Subject mated specimens to a relative humidity of 93 % at a temperature of 40°C during 21 days. 1) Resistance: Contact : 80 mΩ max. Subject to +85 ± 2 °C, 21 days. 1) Resistance: 10 nΩ max. Shield : 100 mΩ max. Subject to +85 ± 2 °C, 21 days. 1) Resistance: 10 neutation resistance: 500 MΩ min. (at dry) 3) No damage, cracks or looseness of parts. Subject to -55 ± 3 °C, 10 days. 1) Resistance: Conta	mutually perpendicular directions (totally 18 shocks) image: cracks or looseness of parts. Applying 80 N force for the mating axis direction in state in lifted with applicable connector. No unlocking, damage, cracks or looseness of parts. X Applying 25times of 30 N 1s for 2 axis direction on tip of plug case in state in fitted with applicable connector. No damage, cracks or looseness of parts. X CHARACTERISTICS 1) Voltage proof: 500 V DC applied for 1 min. Current leakage 2mA max. No flashover or breakdown. X Subject mated specimens to 10 cycles between -55°C and SFC with 30 minutes dwell at temp, extremes and 1 minute transition between temperatures. 1) Voltage proof: 500 V DC applied for 1 min. Current leakage 2mA max. No flashover or breakdown. X 2) Resistance: Contact: 80 mΩ max. Shield : 100 mΩ max. 3) Insulation resistance: 500 MΩ min. (at dry) X 4) No damage, cracks or looseness of parts. X X Cold sub-cycle - 10 °C; Relative humidity 93 % 2) Insulation resistance: 500 MΩ min. (at dry) X Subject mated specimens to a relative humidity of 93 % at a temperature of 40°C during 21 days. 1) Resistance: Contact: 80 mΩ max. Shield : 100 mΩ max. X Subject to +85 ± 2 °C, 10 days. (mating applicable connector) 1) Resistance: Contact: 80 mΩ max. Shield : 100 mΩ max. X Subject to -55 ± 3 °C, 10 days. (mating applicable conne