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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	Operating Temperature Range	-55°C to 85°C (Note 1)	Storage Temperature Range	-10°C TO 60°C
	Voltage	30V AC/DC		
	Current	Signal contact : 1.0A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Visually and by measuring instrument.	According to drawing.	X	X
Marking	Confirmed visually.	According to drawing.	X	X
ELECTRIC CHARACTERISTICS				
Contact Resistance	20mV AC or less 1kHz,1m A .	Signal contact resistance: 50 mΩ MAX. △3	X	—
Insulation Resistance	100V DC.	100 MΩ MIN.	X	—
Voltage Proof	150V AC for 1 min.	No flashover or breakdown.	X	—
Voltage Standing Wave Ratio	Frequency 0 ~ 1 GHz	VSWR 1.2 Max.	X	—
	Frequency 1 ~ 6 GHz	VSWR 1.3 Max.		
	Frequency 6 ~ 20 GHz	VSWR 1.5 Max		
MECHANICAL CHARACTERISTICS				
Mechanical Operation	10times insertions and extractions.	① Signal contact resistance: 50 mΩ MAX. △3 ② No damage, crack or looseness of parts.	X	–
Vibration	Frequency 10 to 55 to 10 Hz, approx 5min, Single amplitude 0.75 mm,10cycles, for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	X	–
ENVIRONMENTAL CHARACTERISTICS				
Rapid Change of Temperature	Temperature -55 → +85°C Time 30 → 30 min Under 5 cycles. (Relocation time to chamber : within 2-3 min)	① Signal contact resistance: 50 mΩ MAX. △3 ② Insulation resistance: 100MΩ MIN. ③ No damage, crack or looseness of parts.	X	–
Damp Heat (Steady state)	Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.	① Signal contact resistance: 50 mΩ MAX. △3 ② Insulation resistance: 50MΩ MIN. ③ No damage, crack or looseness of parts.	X	–
Sulfur Dioxide	Exposed in 25 PPM for 96h, 25°C, 75%. (Refer to IEC 60068-2-42 Test Kc)	Signal contact resistance: 50 mΩ MAX. △3	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△3	5	DIS-H-00018586	RT. SHIMIZU	TY. OOI	20230707

REMARKS
Note1: Include the temperature rising by current

Unless otherwise specified, refer to IEC 60512.

APPROVED	WR. FUKUCHI	20190808
CHECKED	TY. OOI	20190808
DESIGNED	SU. SUNAGA	20190808
DRAWN	YONGJIN LEE	20190808

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-387490-51-00

HRS	SPECIFICATION SHEET	PART NO.	BM56G-10DS-0.35V(51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0673-7501-0-51 △3	1/1

FORM HD0011-2-1