

IARPB® HORIZONTAL

Part No. V0125-910**-01, V0125-71001-01

Test Report

Product Specification no. PRS-3048

0	T26086	2026/10/14	H.Kurita	-	T.Takeda
Rev.	ECN	Date	Prepared by	Checked by	Approved by

1. Purpose

To evaluate the performance of IARPB® HORIZONTAL in accordance with PRS-3048.

The number of poles used in the Environmental performances is listed below.

Table 1 The number of poles used in the Environmental

No.	Measurement	Poles	No.	Measurement	Poles
1	High temperature aging	6P	9	Overcurrent	6P
2	Low temperature aging	5P	10	Vibration with temperature change	5P
3	Thermal shock	6P	11	Condensation	5P
4	Temperature/humidity cycle(I)	5P	12	Rush current(a)	5P
	Temperature/humidity cycle(II)	5P		Rush current(b)	5P
5	Humidity	6P	13	High temperature operability	5P
6	Corrosion gas	5P	14	Resistance to stress corrosion	5P
7	Mechanical vibration(I)	6P	15	Current cycle	6P
	Mechanical vibration(II)	5P	16	Sulfur dioxide gas	6P
8	Mechanical shock(I)	6P			
	Mechanical shock(II)	5P			

2. Result

All evaluation items met the required performance standards.

3. Sample

Table 2 Product Specifications

Parts	Material	P/N	Remarks
Housing	Glass Filled PBT (UL94-HB)	V0125-91002-01 (2P) V0125-91003-01 (3P) V0125-91004-01 (4P) V0125-91005-01 (5P) V0125-91006-01 (6P)	Natural
Terminal	Brass , Sn (Reflow)	V0125-71001-01	-
Applicable cable	-	BEAMEX SS-ER500	0.3mm ²
Applicable PCB	FR-4	-	-

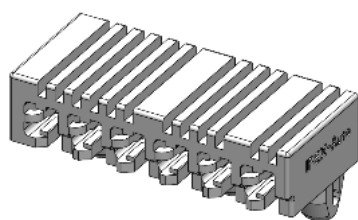


Fig.1 Housing

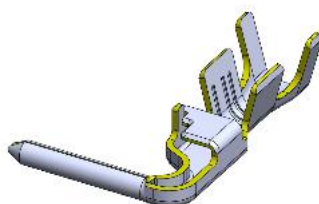


Fig.2 Terminal

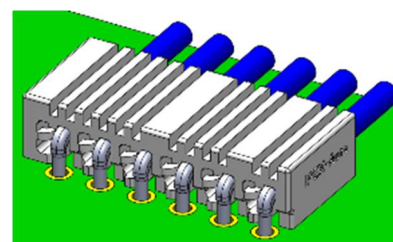


Fig.3 Assembly

4. Test Results

Tables 3 and 4 below describe the evaluation results.

Table 3 Initial characteristics Result list

No.	Measurement				Requirements	n	Unit	Avg.	Max.	Min.	s	Avg.±3s	Judge.
1	Terminal and Housing appearance				No detrimental deformation	5	-	No detrimental deformation					Pass
2	Terminal outer dimension				Satisfy drawing dimension	-	-	Satisfy drawing dimension					Pass
3	Housing outer dimension				Satisfy drawing dimension	-	-	Satisfy drawing dimension					Pass
4	Terminal retention force	Natural	2P	Pos.1	30N Min.	5	N	43.174	43.32	42.96	0.192	42.598	Pass
				Pos.2	30N Min.	5	N	45.439	45.54	45.32	0.108	45.115	Pass
			3P	Pos.1	30N Min.	5	N	41.278	43.43	39.51	1.988	35.314	Pass
				Pos.2	30N Min.	5	N	42.837	43.65	42.37	0.709	40.710	Pass
			4P	Pos.3	30N Min.	5	N	46.666	46.85	46.48	0.183	46.117	Pass
				Pos.1	30N Min.	5	N	40.082	42.30	38.45	1.989	34.115	Pass
				Pos.2	30N Min.	5	N	37.654	38.91	36.84	1.108	34.330	Pass
				Pos.3	30N Min.	5	N	39.839	41.49	38.56	1.502	35.333	Pass
			5P	Pos.4	30N Min.	5	N	42.509	42.89	42.28	0.334	41.507	Pass
				Pos.1	30N Min.	5	N	39.393	40.85	38.58	1.272	35.577	Pass
				Pos.2	30N Min.	5	N	38.584	39.84	37.93	1.09	35.314	Pass
				Pos.3	30N Min.	5	N	39.986	41.20	38.84	1.18	36.446	Pass
			6P	Pos.4	30N Min.	5	N	38.520	39.02	37.68	0.729	36.333	Pass
				Pos.5	30N Min.	5	N	42.810	43.60	41.63	1.043	39.681	Pass
				Pos.1	30N Min.	5	N	42.851	47.56	39.47	3.245	33.116	Pass
				Pos.2	30N Min.	5	N	44.095	46.46	41.52	1.921	38.332	Pass
				Pos.3	30N Min.	5	N	43.913	46.38	38.95	2.883	35.264	Pass
				Pos.4	30N Min.	5	N	43.832	46.62	41.35	1.926	38.054	Pass
				Pos.5	30N Min.	5	N	42.394	46.18	36.38	4.119	30.037	Pass
				Pos.6	30N Min.	5	N	42.601	45.37	37.22	3.146	33.163	Pass
5	Solderability				The land on product mounting side and DIP side is wetted, and formed fillet.	5	-	The land area on both sides of the PCB is wet all around and fillets are formed.					Pass
6	Terminal crimp strength				50N Min.	5	N	74.859	76.88	73.77	1.270	71.049	Pass
7	Voltage drop			(a)1A	2mV/A Max.	25	mV/A	1.072	1.21	0.98	0.057	1.243	Pass
(b)3A				2mV/A Max.	25	mV/A	0.730	0.84	0.67	0.040	0.850	Pass	
8	Dry circuit resistance			(a)10mA	2mΩ Max.	25	mΩ	0.789	0.87	0.72	0.033	0.888	Pass
(b)1mA				2mΩ Max.	25	mΩ	0.783	0.89	0.65	0.072	0.999	Pass	
9	Insulation resistance	Natural	(a)Between terminals		100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass
(b)Between terminal and earth			100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass		
10	Withstanding voltage	Natural	(a)Between terminals		No insulation breakdown or erosion	5	-	No insulation breakdown					Pass
(b)Between terminal and earth			No insulation breakdown or erosion	5	-	No insulation breakdown					Pass		
11	Temperature rise	2P	Single pin		ΔT=40℃ Max.	5	℃	20.191	21.41	19.47	0.755	22.456	Pass
			All pin		ΔT=40℃ Max.	5	℃	15.093	15.50	14.50	0.376	16.221	Pass
		3P	Single pin		ΔT=40℃ Max.	5	℃	20.150	21.11	17.77	1.363	24.239	Pass
			All pin		ΔT=40℃ Max.	5	℃	19.749	20.49	18.81	0.731	21.942	Pass
		4P	Single pin		ΔT=40℃ Max.	5	℃	21.025	22.60	20.20	0.976	23.953	Pass
			All pin		ΔT=40℃ Max.	5	℃	14.229	14.93	13.65	0.476	15.657	Pass
		5P	Single pin		ΔT=40℃ Max.	5	℃	19.815	21.33	17.00	1.656	24.783	Pass
			All pin		ΔT=40℃ Max.	5	℃	17.026	17.74	15.74	0.762	19.312	Pass
		6P	Single pin		ΔT=40℃ Max.	5	℃	21.461	23.72	19.49	1.663	26.450	Pass
			All pin		ΔT=40℃ Max.	5	℃	15.682	16.63	13.94	1.114	19.024	Pass
12	Leak current				3mA Max.	5	mA	0.01mA Max.					Pass
13	Short break monitor				Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass
14	Resistance variation				20mΩ Max.	5	mΩ	20mΩ Max.					Pass
15	Insertion force of terminal to the housing	Natural	2P		15N Max.	6	N	4.743	5.29	4.34	0.339	5.760	Pass
			3P		15N Max.	9	N	4.600	4.92	4.09	0.282	5.446	Pass
			4P		15N Max.	12	N	4.372	4.81	4.13	0.232	5.068	Pass
			5P		15N Max.	15	N	4.584	5.71	4.09	0.432	5.880	Pass
			6P		15N Max.	30	N	4.871	6.92	3.71	1.037	7.982	Pass
16	Terminal/Cavity polarization				Unable to insert terminal incorrectly at 49N	5	-	Unable to insert terminal incorrectly at 49N					Pass
17	PCB retention force	Natural	2P		30N Min.	5	N	60.251	67.30	54.63	6.302	41.345	Pass
			3P		70N Min.	5	N	97.241	106.50	89.87	5.958	79.367	Pass
			4P		70N Min.	5	N	125.392	146.49	109.11	16.104	77.080	Pass
			5P		70N Min.	5	N	137.496	157.37	128.70	11.469	103.089	Pass
			6P		70N Min.	5	N	155.381	176.19	136.91	17.482	102.935	Pass
18	PCB insertion force	Natural	2P		15N Max.	5	N	5.916	6.40	5.59	0.298	6.810	Pass
			3P		25N Max.	5	N	8.960	9.16	8.66	0.197	9.551	Pass
			4P		25N Max.	5	N	10.430	11.41	9.67	0.677	12.461	Pass
			5P		37.5N Max.	5	N	12.836	13.66	12.08	0.577	14.567	Pass
			6P		37.5N Max.	5	N	15.652	16.55	14.98	0.678	17.686	Pass

Table 4-1 Environmental Performances Result list

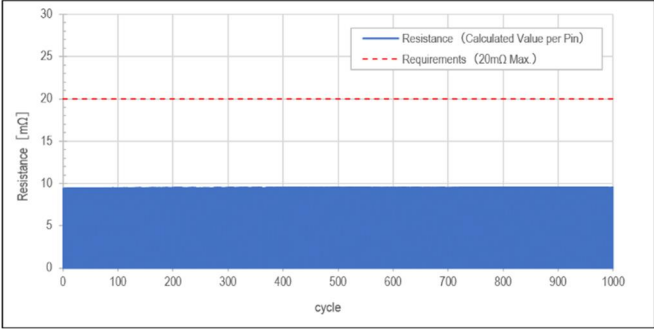
No.		Measurement	Requirements	n	Unit	Avg.	Max.	Min.	s	Avg.±3s	Judge.
1	High temperature aging	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	30	N	40.651	46.87	35.70	3.220	30.991	Pass
		Voltage drop	(a)1A	30	mV/A	0.731	0.87	0.65	0.066	0.929	Pass
			(b)3A	30	mV/A	0.751	0.89	0.66	0.062	0.937	Pass
		Dry circuit resistance	(a)10mA	30	mΩ	0.749	0.97	0.64	0.102	1.055	Pass
			(b)1mA	30	mΩ	0.792	0.96	0.68	0.086	1.050	Pass
		Temperature Rise	Single pin	5	°C	19.122	21.25	17.62	1.511	23.655	Pass
2	Low temperature aging	All pin	ΔT=40°C Max.	5	°C	18.071	18.93	17.66	0.592	19.847	Pass
		Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	5	N	45.405	47.02	43.37	1.355	41.340	Pass
		Voltage drop	(a)1A	25	mV/A	0.710	0.85	0.64	0.054	0.872	Pass
			(b)3A	25	mV/A	0.694	0.89	0.61	0.072	0.910	Pass
		Dry circuit resistance	(a)10mA	25	mΩ	0.690	0.87	0.58	0.063	0.879	Pass
			(b)1mA	25	mΩ	0.693	0.76	0.60	0.046	0.831	Pass
3	Thermal shock	Temperature Rise	Single pin	5	°C	21.616	22.21	20.83	0.517	23.167	Pass
		All pin	ΔT=40°C Max.	5	°C	17.672	18.00	17.28	0.333	18.671	Pass
		Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	30	N	40.120	46.41	35.34	3.212	30.484	Pass
		Voltage drop	(a)1A	30	mV/A	0.759	0.91	0.64	0.090	1.029	Pass
			(b)3A	30	mV/A	0.777	0.93	0.67	0.089	1.044	Pass
		Dry circuit resistance	(a)10mA	30	mΩ	0.866	1.11	0.75	0.097	1.157	Pass
4	Temperature/humidity cycle (I)	(b)1mA	3mΩ Max.	30	mΩ	0.783	0.98	0.68	0.082	1.029	Pass
		Temperature Rise	Single pin	5	°C	25.117	27.36	23.17	1.513	29.656	Pass
		All pin	ΔT=40°C Max.	5	°C	16.480	17.18	15.35	0.830	18.970	Pass
		Resistance variation	20mΩ Max.	5	mΩ	20mΩ Max.					Pass
		Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	5	N	42.728	46.73	40.34	2.429	35.441	Pass
		Voltage drop	(a)1A	25	mV/A	0.608	0.69	0.55	0.041	0.731	Pass
			(b)3A	25	mV/A	0.844	0.94	0.73	0.042	0.970	Pass
		Dry circuit resistance	(a)10mA	25	mΩ	0.659	0.73	0.60	0.037	0.770	Pass
			(b)1mA	25	mΩ	0.703	0.85	0.55	0.069	0.910	Pass
		Insulation resistance	(a)Between terminals	5	MΩ	237MΩ Min.					Pass
		(b)Between terminal and earth	100MΩ Min.	5	MΩ	41,800MΩ Min.					Pass
		Withstanding Voltage	(a)Between terminals	5	-	No insulation breakdown					Pass
		(b)Between terminal and earth	No insulation breakdown or erosion	5	-	No insulation breakdown					Pass
		Leak Current	3mA Max.	5	mA	0.01mA Max.					Pass
		Resistance variation	20mΩ Max.	5	mΩ	20mΩ Max.					Pass
5	Humidity	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	30	N	39.233	45.82	34.23	3.268	29.429	Pass
		Voltage drop	(a)1A	30	mV/A	0.724	0.90	0.64	0.081	0.967	Pass
			(b)3A	30	mV/A	0.741	0.95	0.66	0.084	0.993	Pass
		Dry circuit resistance	(a)10mA	30	mΩ	0.807	1.07	0.71	0.083	1.056	Pass
			(b)1mA	30	mΩ	0.766	0.94	0.68	0.081	1.009	Pass
		Insulation resistance	(a)Between terminals	5	MΩ	100,000MΩ Min.					Pass
		(b)Between terminal and earth	100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass
		Withstanding Voltage	(a)Between terminals	5	-	No insulation breakdown					Pass
		(b)Between terminal and earth	No insulation breakdown or erosion	5	-	No insulation breakdown					Pass
		Leak Current	3mA Max.	5	mA	0.01mA Max.					Pass
		Resistance variation	20mΩ Max.	5	mΩ	20mΩ Max.					Pass
		Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass
		Terminal retention force	30N Min.	30	N	39.233	45.82	34.23	3.268	29.429	Pass
		Voltage drop	(a)1A	30	mV/A	0.724	0.90	0.64	0.081	0.967	Pass
			(b)3A	30	mV/A	0.741	0.95	0.66	0.084	0.993	Pass
		Dry circuit resistance	(a)10mA	30	mΩ	0.807	1.07	0.71	0.083	1.056	Pass
			(b)1mA	30	mΩ	0.766	0.94	0.68	0.081	1.009	Pass
		Insulation resistance	(a)Between terminals	5	MΩ	100,000MΩ Min.					Pass
		(b)Between terminal and earth	100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass
		Withstanding Voltage	(a)Between terminals	5	-	No insulation breakdown					Pass
		(b)Between terminal and earth	No insulation breakdown or erosion	5	-	No insulation breakdown					Pass
		Leak Current	3mA Max.	5	mA	0.01mA Max.					Pass

Table 4-2 Environmental Performances Result list

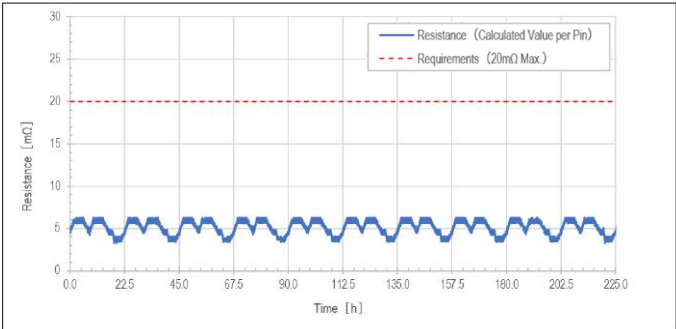
No.	Measurement		Requirements	n	Unit	Avg.	Max.	Min.	s	Avg.±3s	Judge.	
6	Corrosion gas	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Terminal retention force	40N Min.	5	N	71.688	74.95	69.48	2.965	62.793	Pass	
		Voltage drop	(a)1A	3mV/A Max.	25	mV/A	0.763	1.07	0.63	0.098	1.057	Pass
			(b)3A	3mV/A Max.	25	mV/A	0.570	0.70	0.43	0.068	0.774	Pass
		Dry circuit resistance	(a)10mA	3mΩ Max.	25	mΩ	0.572	0.85	0.43	0.103	0.881	Pass
			(b)1mA	3mΩ Max.	25	mΩ	0.447	0.59	0.34	0.077	0.678	Pass
7	Mechanical vibration (I)	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Voltage drop	(a)1A	3mV/A Max.	30	mV/A	0.739	1.49	0.52	0.183	1.288	Pass
			(b)3A	3mV/A Max.	30	mV/A	0.890	1.96	0.60	0.309	1.817	Pass
		Dry circuit resistance	(a)10mA	3mΩ Max.	30	mΩ	0.530	1.09	0.23	0.167	1.031	Pass
			(b)1mA	3mΩ Max.	30	mΩ	0.519	0.98	0.28	0.167	1.020	Pass
		Temperature Rise	Single pin	ΔT=40℃ Max.	10	℃	22.914	26.49	20.05	1.774	28.236	Pass
			All pin	ΔT=40℃ Max.	10	℃	17.690	18.77	16.62	0.554	19.352	Pass
		Short break monitor	Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass	
	Mechanical vibration (II)	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Voltage drop	(a)1A	3mV/A Max.	25	mV/A	0.929	1.37	0.75	0.154	1.391	Pass
			(b)3A	3mV/A Max.	25	mV/A	1.196	1.58	1.06	0.138	1.610	Pass
		Dry circuit resistance	(a)10mA	3mΩ Max.	25	mΩ	0.608	0.95	0.40	0.157	1.079	Pass
			(b)1mA	3mΩ Max.	25	mΩ	0.476	0.87	0.26	0.140	0.896	Pass
		Temperature Rise	Single pin	ΔT=40℃ Max.	5	℃	21.214	21.96	20.58	0.525	22.789	Pass
			All pin	ΔT=40℃ Max.	5	℃	20.124	21.10	18.81	0.835	22.629	Pass
		Short break monitor	Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass	
8	Mechanical shock (I)	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Voltage drop	(a)1A	3mV/A Max.	30	mV/A	0.709	0.88	0.59	0.088	0.973	Pass
			(b)3A	3mV/A Max.	30	mV/A	0.741	0.92	0.65	0.079	0.978	Pass
		Short break monitor	Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass	
	Mechanical shock (II)	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Voltage drop	(a)1A	3mV/A Max.	25	mV/A	0.719	0.82	0.64	0.041	0.842	Pass
			(b)3A	3mV/A Max.	25	mV/A	0.752	0.82	0.69	0.032	0.848	Pass
		Short break monitor	Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass	
9	Overcurrent	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Voltage drop	(a)1A	3mV/A Max.	5	mV/A	0.628	0.67	0.54	0.055	0.793	Pass
			(b)3A	3mV/A Max.	5	mV/A	0.601	0.72	0.51	0.075	0.826	Pass
		Dry circuit resistance	(a)10mA	3mΩ Max.	5	mΩ	0.558	0.69	0.50	0.074	0.780	Pass
			(b)1mA	3mΩ Max.	5	mΩ	0.824	0.95	0.72	0.095	1.109	Pass
		Short break monitor	Not exceed 1μs and 7Ω	5	-	Not exceed 1μs and 7Ω					Pass	
10	Vibration with temperature change	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Terminal retention force	30N Min.	5	N	46.419	48.89	43.93	2.151	39.966	Pass	
		Voltage drop	(a)1A	3mV/A Max.	54	mV/A	0.486	1.40	0.16	0.237	1.197	Pass
			(b)3A	3mV/A Max.	54	mV/A	0.561	0.88	0.33	0.137	0.972	Pass
		Dry circuit resistance	(a)10mA	3mΩ Max.	54	mΩ	0.901	1.30	0.68	0.126	1.279	Pass
			(b)1mA	3mΩ Max.	54	mΩ	0.880	1.22	0.61	0.146	1.318	Pass
		Insulation resistance	(a)Between terminals	100MΩ Min.	3	MΩ	100,000MΩ Min.					Pass
			(b)Between terminal and earth	100MΩ Min.	3	MΩ	100,000MΩ Min.					Pass
		Withstanding Voltage	(a)Between terminals	No insulation breakdown or erosion	3	-	No insulation breakdown					Pass
			(b)Between terminal and earth	No insulation breakdown or erosion	3	-	No insulation breakdown					Pass
		Temperature Rise	Single pin	ΔT=40℃ Max.	9	℃	20.485	22.87	16.74	1.945	26.320	Pass
			All pin	ΔT=40℃ Max.	9	℃	20.046	25.29	18.21	2.119	26.403	Pass
		Leak Current	3mA Max.	3	mA	0.01mA Max.					Pass	
		Short break monitor	Not exceed 1μs and 7Ω	6	-	Not exceed 1μs and 7Ω					Pass	
11	Condensation	Terminal and Housing appearance	No detrimental deformation	5	-	No detrimental deformation					Pass	
		Insulation resistance	(a)Between terminals	100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass
			(b)Between terminal and earth	100MΩ Min.	5	MΩ	100,000MΩ Min.					Pass
		Leak Current	3mA Max.	5	mA	0.01mA Max.					Pass	

Table 4-3 Environmental Performances Result list

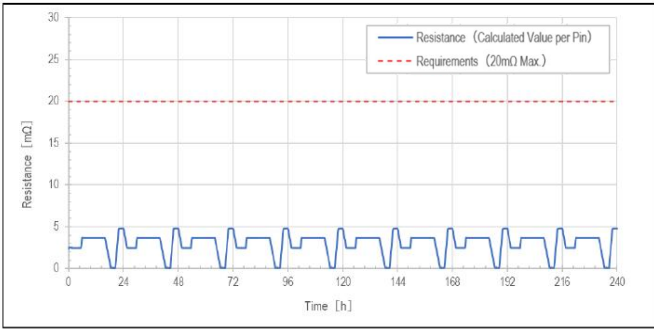
No.	Measurement	Requirements	n	Unit	Avg.	Max.	Min.	s	Avg.±3s	Judge.
12	Rush current (a)	Terminal and Housing appearance	5	-	No detrimental deformation					Pass
		Voltage drop	25	mV/A	0.580	0.71	0.48	0.053	0.739	Pass
		(a)1A	25	mV/A	0.647	0.79	0.55	0.058	0.821	Pass
		(b)3A	25	mV/A	0.576	0.80	0.35	0.099	0.873	Pass
		Dry circuit resistance	25	mΩ	0.590	0.83	0.45	0.078	0.824	Pass
		(a)10mA	25	mΩ	0.590	0.83	0.45	0.078	0.824	Pass
	Rush current (b)	Temperature Rise	5	°C	19.976	20.70	19.40	0.557	21.647	Pass
		Single pin	5	°C	19.976	20.70	19.40	0.557	21.647	Pass
		All pin	5	°C	17.508	18.46	16.10	0.926	20.286	Pass
		Terminal and Housing appearance	5	-	No detrimental deformation					Pass
		Voltage drop	25	mV/A	0.585	0.73	0.51	0.054	0.747	Pass
		(a)1A	25	mV/A	0.616	0.77	0.52	0.059	0.793	Pass
13	High temperature operability	Terminal crimp strength	25	mΩ	0.568	0.74	0.39	0.085	0.823	Pass
		(b)1mA	25	mΩ	0.609	0.76	0.47	0.071	0.822	Pass
14	Resistance to stress corrosion	Temperature Rise	5	°C	20.546	21.96	19.38	0.961	23.429	Pass
		Single pin	5	°C	20.546	21.96	19.38	0.961	23.429	Pass
15	Current cycle	All pin	5	°C	18.590	19.13	18.14	0.359	19.667	Pass
		Terminal and Housing appearance	5	-	No detrimental deformation					Pass
		Terminal retention force	15	N	35.447	37.94	33.59	1.519	30.890	Pass
		Terminal crimp strength	20	N	76.759	81.42	71.51	2.666	68.761	Pass
		Voltage drop	30	mV/A	0.833	1.05	0.48	0.108	1.157	Pass
		(a)1A	30	mV/A	0.881	1.01	0.64	0.070	1.091	Pass
		(b)3A	30	mV/A	0.881	1.01	0.64	0.070	1.091	Pass
		Dry circuit resistance	30	mΩ	0.845	0.97	0.56	0.096	1.133	Pass
		(a)10mA	30	mΩ	0.871	1.10	0.57	0.105	1.186	Pass
		(b)1mA	30	mΩ	0.871	1.10	0.57	0.105	1.186	Pass
		Temperature Rise	5	°C	22.730	25.18	21.35	1.716	27.878	Pass
		Single pin	5	°C	22.730	25.18	21.35	1.716	27.878	Pass
16	Sulfur dioxide gas	All pin	5	°C	16.539	17.78	14.84	1.176	20.067	Pass
		Terminal and Housing appearance	5	-	No detrimental deformation					Pass
		Dry circuit resistance	30	mΩ	0.621	0.74	0.51	0.047	0.762	Pass
		(a)10mA	30	mΩ	0.621	0.74	0.51	0.047	0.762	Pass
		(b)1mA	30	mΩ	0.745	0.88	0.62	0.068	0.949	Pass



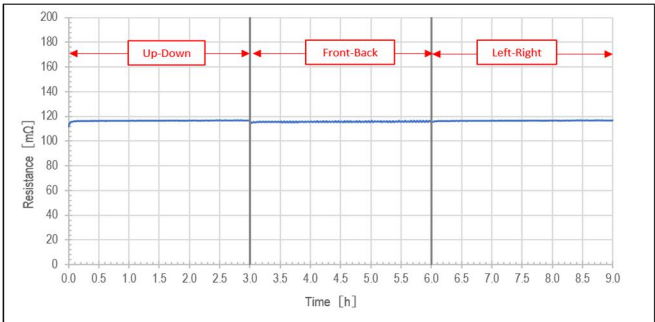
Graph.1 Thermal shock resistance variation



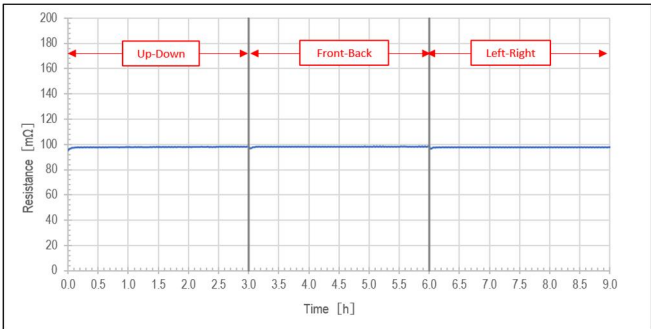
Graph 2 Temperature/humidity cycle I resistance



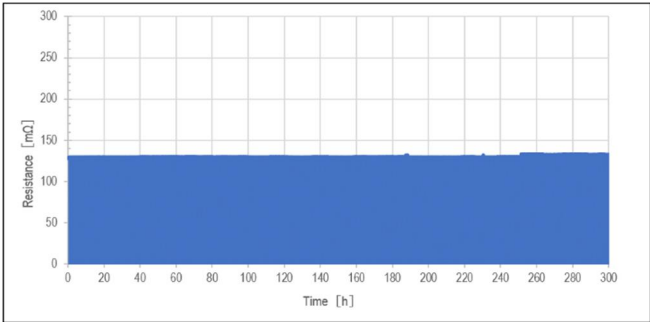
Graph 3 Temperature/humidity cycle II resistance variation



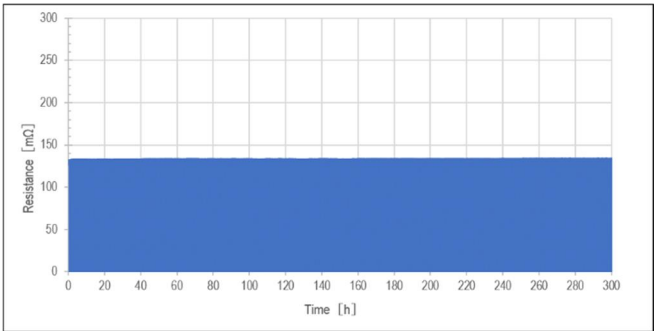
Graph 4 Mechanical vibration I resistance variation



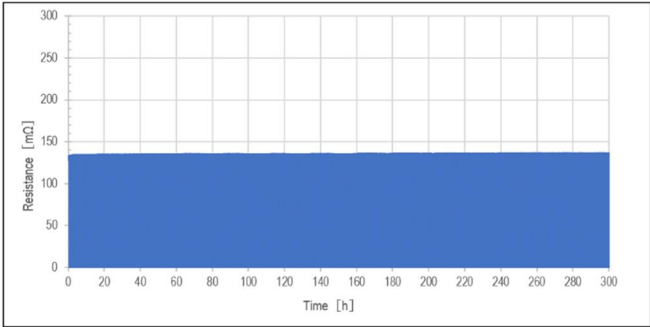
Graph 5 Mechanical vibration II resistance variation



Graph 6 Vibration with temperature change (Front-Back)
resistance variation



Graph 7 Vibration with temperature change (Left-Right)
resistance variation



Graph 7 Vibration with temperature change (Up-Down)
resistance variation