Change No:	Rev.	Description	Author	Date	Approved	Date
DCR	A	Layout changes. Data verification current as of revision date.	AK	06-18-2024	AK	06-18-2024

Response Curve
020-540

Silicon Diode Thermometer
Sensor Model: Si540
Calibration Current: 10 µA.

Temp. K	+ 0.0	+ 1.0	+ 2.0	+ 3.0	+ 4.0	+ 5.0	+ 6.0	+ 7.0	+ 8.0	+ 9.0
0	0.00000	1.70135	1.67900	1.65288	1.61535	1.56827	1.51400	1.45902	1.40744	1.36256
10	1.32414	1.29275	1.26606	1.24196	1.21904	1.19900	1.18010	1.16506	1.14995	1.13536
20	1.12344	1.11566	1.11086	1.10706	1.10433	1.10180	1.09940	1.09715	1.09503	1.09291
30	1.09092	1.08898	1.08714	1.08534	1.08379	1.08234	1.08069	1.07908	1.07774	1.07624
40	1.07475	1.07315	1.07157	1.07016	1.06871	1.06724	1.06572	1.06418	1.06264	1.06109
50	1.05952	1.05792	1.05633	1.05473	1.05313	1.05152	1.04991	1.04830	1.04668	1.04507
60	1.04345	1.04183	1.04020	1.03857	1.03694	1.03530	1.03366	1.03202	1.03037	1.02871
70	1.02705	1.02540	1.02373	1.02206	1.02037	1.01868	1.01696	1.01524	1.01351	1.01178
80	1.01005	1.00832	1.00658	1.00484	1.00309	1.00134	0.99959	0.99783	0.99607	0.99430
90	0.99253	0.99077	0.98900	0.98722	0.98544	0.98366	0.98186	0.98006	0.97826	0.97644
100	0.97462	0.97283	0.97103	0.96921	0.96739	0.96554	0.96369	0.96181	0.95993	0.95802
110	0.95611	0.95413	0.95212	0.95011	0.94811	0.94610	0.94410	0.94210	0.94010	0.93810
120	0.93611	0.93413	0.93216	0.93019	0.92821	0.92622	0.92424	0.92224	0.92025	0.91825
130	0.91624	0.91424	0.91223	0.91021	0.90819	0.90616	0.90413	0.90209	0.90005	0.89800
140	0.89595	0.89389	0.89182	0.88974	0.88767	0.88558	0.88350	0.88141	0.87932	0.87722
150	0.87512	0.87301	0.87089	0.86878	0.86666	0.86454	0.86241	0.86028	0.85815	0.85601
160	0.85387	0.85173	0.84959	0.84744	0.84529	0.84313	0.84097	0.83881	0.83665	0.83448
170	0.83231	0.83014	0.82797	0.82579	0.82361	0.82142	0.81923	0.81704	0.81485	0.81265
180	0.81044	0.80823	0.80600	0.80378	0.80156	0.79933	0.79710	0.79487	0.79264	0.79041
190	0.78818	0.78595	0.78373	0.78150	0.77927	0.77704	0.77481	0.77258	0.77034	0.76810
200	0.76586	0.76362	0.76138	0.75913	0.75688	0.75463	0.75238	0.75012	0.74787	0.74561
210	0.74335	0.74109	0.73882	0.73656	0.73429	0.73202	0.72974	0.72747	0.72519	0.72291
220	0.72063	0.71835	0.71606	0.71378	0.71149	0.70919	0.70690	0.70461	0.70231	0.70001
230	0.69771	0.69541	0.69310	0.69079	0.68849	0.68618	0.68386	0.68155	0.67923	0.67692
240	0.67460	0.67228	0.66995	0.66762	0.66529	0.66296	0.66063	0.65830	0.65596	0.65363
250	0.65129	0.64895	0.64661	0.64426	0.64192	0.63957	0.63723	0.63488	0.63253	0.63018
260	0.62782	0.62546	0.62309	0.62073	0.61836	0.61599	0.61362	0.61124	0.60887	0.60650
270	0.60413	0.60176	0.59939	0.59702	0.59465	0.59228	0.58991	0.58754	0.58517	0.58280
280	0.58042	0.57806	0.57571	0.57335	0.57100	0.56864	0.56628	0.56392	0.56155	0.55919
290	0.55682	0.55445	0.55207	0.54970	0.54732	0.54494	0.54255	0.54017	0.53778	0.53539
300	0.53300	0.53060	0.52819	0.52578	0.52337	0.52095	0.51854	0.51612	0.51371	0.51129
310	0.50887	0.50645	0.50403	0.50161	0.49919	0.49677	0.49435	0.49192	0.48950	0.48707
320	0.48465	0.48222	0.47974	0.47727	0.47479	0.47232	0.46984	0.46736	0.46489	0.46241
330	0.45993	0.45746	0.45498	0.45250	0.45003	0.44755	0.44507	0.44260	0.44012	0.43764
340	0.43517	0.43269	0.43021	0.42774	0.42526	0.42278	0.42031	0.41783	0.41535	0.41288
350	0.41040	0.40792	0.40545	0.40297	0.40049	0.39802	0.39554	0.39306	0.39059	0.38811
360	0.38563	0.38316	0.38068	0.37820	0.37573	0.37325	0.37077	0.36830	0.36582	0.36335
370	0.36087	0.35839	0.35592	0.35344	0.35096	0.34849	0.34601	0.34353	0.34106	0.33858
380	0.33610	0.33363	0.33115	0.32867	0.32620	0.32372	0.32124	0.31877	0.31629	0.31381
390	0.31134	0.30886	0.30638	0.30391	0.30143	0.29895	0.29648	0.29400	0.29152	0.28905
400	0.28657	0.28409	0.28162	0.27914	0.27666	0.27419	0.27171	0.26923	0.26676	0.26428
410	0.26180	0.25933	0.25685	0.25438	0.25190	0.24942	0.24695	0.24447	0.24199	0.23952
420	0.23704	0.23456	0.23209	0.22961	0.22713	0.22466	0.22218	0.21970	0.21723	0.21475
430	0.21227	0.20980	0.20732	0.20484	0.20237	0.19989	0.19741	0.19494	0.19246	0.18998
440	0.18751	0.18503	0.18259	0.18017	0.17774	0.17529	0.17283	0.17036	0.16787	0.16537
450	0.16288									