

Device Reliability Prediction

Case 1 - Black Box Estimates (50% Stress, Temp. = 40 Deg. C, No Device burn-in)

Date: 9/3/19

Unit: TPS82140

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Manufacturer: Texas Instruments Inc.

<i>Device Type</i>	<i>Part Number</i>	<i>Qty</i>	<i>Failure Rate</i>	<i>Quality Factor</i>	<i>Total Device Failure Rate</i>
Inductor, Power Filter	SD#5B-66-0113G	1	19	1	19
IC, Analog	HYB82140	1	0.1	1	0.1
Total FIT Rate:					19.1
Equivalent MTBF (hrs):					52,356,021