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Six Sigma For Electronics Design And Manufacturing (Professional Engineering)



Synopsis

Six Sigma is a customer-based manufacturing approach to realizing fewer defects and thus lowering costs and increasing customer satisfaction. This is a rigorous engineering book detailing the gritty, statistical work involved in making the Six Sigma process work in the electronics industry.

Book Information

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Customer Reviews

This is a good reference book in case you wonder how electronics manufacturing can be tackled with Six Sigma. It shows interesting examples, insights on the cost structure of a manufactured electronic product, some manufacturability guidelines, good insights on statistics. But be careful. The title of the book does not seem right to me. It is mostly for electronics manufacturing. Design wise, some good tools are shown such as Design of Experiment, but there is so much more around design for Six Sigma that is not presented here (transfer functions, simulations, predicting the performance of your product). In summary: I enjoyed reading this book and it is a good reference. If you are relatively not experienced with Six Sigma, I don't advise you to start right away with this one: it would narrow your scope of improvement areas (even considering the last chapters).

I find the concepts in most 6 Sigma books are not clearly defined and totally connected. It leaves me working hard to figure out the direction and benefits. This book ties it all together in a very simple,

unambiguous and non-threatening way. The applications are self explanatory and intuitive and one does not require an extensive knowledge of statistics to understand and apply the principles. I found this book to be IMMEDIATELY USEFUL and highly recommend it for all Electronics Professionals. It definitely levels the playing field for people who are starting to apply 6 Sigma and reap its benefits.

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