TABLE OF CONTENTS

CHAPTER I	
RELIABILITY OF MILITARY ELECTRONIC EQUIPMENT	3
Cost of Unreliability Reasons for Unreliability Definitions of Reliability Reliability Measurement Component Characteristics Reliability as a Statistical Problem Exponential Failure Law References Bibliography	
CHAPTER II	
ROLE OF COMPONENT PARTS	11
Military Specification System	
Military Specifications (General)	
Military Specifications (Detailed)	
Military Standards	
Qualified Products List Performance and Qualification Specifications	
Non Standard Parts	
Specification Writing	
Sources of Component Parts Information	
Guide to the Selection and Use of Component Parts	
Component Application	
References	
Bibliography	
CHAPTER III	
RESISTORS	21
Resistor Types	
Definitions	
Factors Affecting Resistor Reliability	
Fixed-Resistor Types and Their Application	
Fixed-Composition Resistors	
Fixed, Film Resistors	
High-Frequency Resistors Fixed, Wirewound Resistors (Power-and Low-Power)	
Fixed, Wirewound (Accurate) Resistors	
Fixed, Nonwirewound (Power) Resistors	
Variable Resistor Types and Their Applications	
Variable Composition Resistors	
Variable, Wirewound (Low Operating Temperature) Resistors.	
Variable, Wirewound (Power Type) Resistors	
Resistors, Variable, Miscellaneous	
Conclusion	
References Ribliography	

CHAPTER IV

CAPACITORS
Capacitor Uses and Definitions
Capacitance
Energy Storage
Safety Precautions
Capacitor Conductor Material
Dielectrics
Capacitor Losses
Frequency Effects
Capacitor Ratings
Environmental Effects on Characteristics and Life
Capacitor Selection
Application Notes
Information for Vendor
Causes of Capacitor Failure
Air Dielectric Capacitors
Ceramic Capacitors
General Purpose Ceramic Capacitors
Ceramic Trimmer Capacitors
Electrolytic Capacitors
Glass Dielectric and Vitreous Enamel Capacitors
Mica Capacitors
Paper and Film Capacitors
Gas-and Liquid-Filled and Vacuum Capacitors
References
Bibliography
CHAPTER V
RELAYS 153
How to Select a Relay
Types
Relays by Function
Relay Parameters
Procurement and Specification
Testing of Relays
Test Data
Relay Selection
Relay Selection Application Notes
Application Notes
Application Notes Military Specifications
Application Notes Military Specifications
Application Notes Military Specifications Bibliography
Application Notes Military Specifications Bibliography CHAPTER VI
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES
Application Notes Military Specifications Bibliography CHAPTER VI SWITCHES