

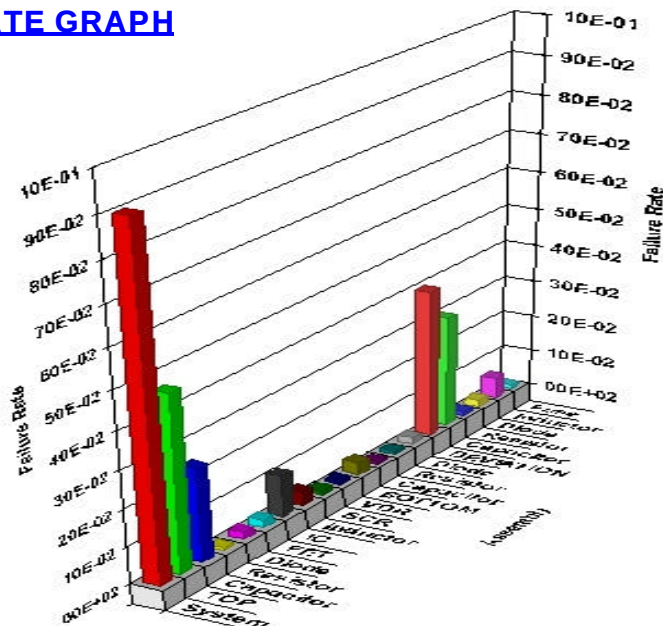
MTBF Report Summary

File Name : GT-2065P6548-FRPJ
Calculation Model : Bellcore Issue 6 Method I Case 1
Environment : GB,GC -Ground Benign,Controlled
Temperature : 40.00
Description : Power Supply

Part Number : GT-2065P6548-F
Date : September 6, 2004
Time : 9:56 AM
Failure Rate : 0.901506
MTBF : 1,109,255 Hrs

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
System	System		0	0.901506	1,109,255
TOP			0	0.468506	2,134,445
Capacitor			14	0.252000	3,968,254
Resistor			2	0.006000	166,666,667
Diode			3	0.018000	55,555,556
FET			1	0.020000	50,000,000
IC			4	0.112506	8,888,433
Inductor			2	0.038000	26,315,789
SCR			1	0.012000	83,333,333
VDR			1	0.010000	100,000,000
BOTTOM			0	0.033000	30,303,030
Capacitor			7	0.007000	142,857,143
Resistor			16	0.008000	125,000,000
Diode			3	0.018000	55,555,556
DEVIATION			0	0.400000	2,500,000
Capacitor			8	0.304000	3,289,474
Resistor			17	0.011000	90,909,091
Diode			3	0.018000	55,555,556
Inductor			3	0.057000	17,543,860
Fuse			2	0.010000	100,000,000

FAILURE RATE GRAPH



MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Capacitor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
C1	AL 150uF 400V 105C 18f40mm KMG with 3 layers Tape	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
C11	CER 222pf1Kv 6f5mm±20%	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C14	CER 1nF 100v +/- 20%	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C3	AL 120uF 25V 105C 6f15mm	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
CX1	154pF 275V X2 MKP	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CX2	154pF 275V X2 MKP	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY1	102pF 250V Y2 AC#	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY2	102pF 250V Y2 AC#	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY3	102PF 250V Y1 KX	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY4	472PF 250V Y1 KX	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY5	102PF 250V Y1 KX	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY6	102PF 250V Y1 KX	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY7	470pF 250V Y2 CS	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
CY8	470pF 250V Y2 CS	1	QualiLevel II	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Resistor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
R3	RES M0F 47KW 1/2W 5%	1	QualiLevel II	Lambda G: 3.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.003000	0.003000
R4	RES M0F 47KO 2W ±5% WITH HEAT SHRINK TUBING	1	QualiLevel II	Lambda G: 3.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.003000	0.003000
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Standard MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Diode

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
D1	DIODE UF4006G 1A/800V DO-41	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
D2	DIODE FR103 1A/200V DO-41	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
LED1	3MM GRN W/ TUBING BOTH PINS 7MM LONG	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type FET

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
Q1	MOSFET STP20NM60FP 20A 650V TO-220FP	1	Qual:Level II, Appt:Switching, Type:Hermetic	Lambda G: 20.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.020000	0.020000
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MTBF Report Details

Calculation Model Bellcore Is sue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type IC

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
U1	UC3842BN DIP-8	1	QualiLevel II, Type:Hermetic	Lambda G: 28.126441, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.028126	0.028126
U2	LTV817C DIP-4 LITEON	1	QualiLevel II, Type:Hermetic	Lambda G: 28.126441, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model FailureRate: 0.028126	0.028126
U3	TL431ACLP TO-92	1	QualiLevel II, Type:Hermetic	Lambda G: 28.126441, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.028126	0.028126
U4	LTV817C DIP-4 LITEON	1	QualiLevel II, Type:Hermetic	Lambda G: 28.126441, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.028126	0.028126
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MTBF Report Details

Calculation Model

Environment

Temperature

Assembly/Type

Bellcore Issue 6

Method I Case 1

GB, GC - Ground Benign, Controlled

40.00

Inductor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
LF1	COMMON MODE CHOKE 17mH	1	Qual:Level II, Type:Power Filter	Lambda G: 19.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.019000	0.019000
LF2	COMMON MODE CHOKE	1	Qual:Level II, Type:Power Filter	Lambda G: 19.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.019000	0.019000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type SCR

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
SCR1	CR02AM -8 TO92 MITSUBISHI	1	QualiLevel II, Type:Hermetic	Lambda G: 12.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.012000	0.012000
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MTBF Report Details

Calculation Model

Environment

Temperature

Assembly/Type

Bellcore Issue 6

Method I Case 1

GB, GC - Ground Benign, Controlled

40.00

VDR

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
VDR1		1	QualiLevel II, Type:Varistor, Type:Hermetic	Lambda G: 10.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.010000	0.010000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Capacitor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
C4	CAP 10000PF 50V 10% CERAMIC X7R 0805	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C5	CAP 150PF 50V 10% CERM CHIP 0805 SMD	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C6	CAP 1000PF 50V 5% NPO 0805	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C7	CAP 1.0UF 16V 10% CERAMIC X7R 1206	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C9	CAP 0.1UF 50V 10% CERAMIC X7R 0805	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C105	CAP 0.1UF 50V 10% CERAMIC X7R 1206	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C106	CAP 0.1UF 50V 10% CERAMIC X7R 1206	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Resistor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
R1	RES 1MO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R100	RES 100 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R11	RES 1.5M OHM 1/4W 5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R110	RES 3.09KO 1/4W ±1% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R112	RES 1KO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R12	RES 10KO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R13	RES 15KO 1/4W ±1% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R14	RES 7.5K OHM 1/4W 5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R15	RES 1KO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R17	RES 270 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R18	RES 10KO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R2	RES 1MO 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R5	RES 27K 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R6	RES 27K 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R7	RES 27K 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R8	RES 27K 1/4W ±5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 45.00

Assembly/Type Diode

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
D4	1N4148 Signal Diodes Mini Melf Package SOD-80 (LL4148)	1	QualtLevel II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
D5	1N4148 Signal Diodes Mini Melf Package SOD-80 (LL4148)	1	QualtLevel II	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
D6	1N4148 Signal Diodes Mini Melf Package SOD-80 (LL4148)	1	QualtLevel II	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Capacitor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
C101	220UF 63V RS SERIES	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
C102	220UF 63V RS SERIES	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
C103	220UF 63V RS SERIES	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
C104	220UF 63V RS SERIES	1	QualiLevel II	Lambda G: 75.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.075000	0.075000
C107	0.1UF 50V +/-10% CERAMIC CAPACITOR	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C108	CAP 0.1UF 50V CERAMIC X7R 1206	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C13	1.0NF NPO SMD 0805	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
C2	CER 470pf 1Kv 6f5mm Z5U	1	QualiLevel II	Lambda G: 1.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.001000	0.001000
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MTBF Report Details

Calculation Model Bellcore Issue 6 Method I Case 1
Environment GB, GC - Ground Benign, Controlled
Temperature 40.00

Assembly/Type Resistor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
R10	150K 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R103	6.2K 5% 1W SMD 2512	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R104	100R 1/4W 5% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R105	3.09K 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R106	20K 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R107	510R 1/4W 1% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R108	2.2K 1/4W 1% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R109	56.0K 1/4W 1%SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R111	0R 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R113	10K 1/4W 5% SMD 0805	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R114	3.3K 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R115	6.2K 5% 1W SMD 2512	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R116	6.2K 5% 1W SMD 2512	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R16	680R 1/4W 1% 1206 SMD	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R19	0.5 ohm Wire Wound Type 1% 3W w/ 10mm Teflon tube at both leads	1	QualiLevel II	Lambda G: 3.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.003000	0.003000
R20	62R 1/2W 5% CARBON TYPE	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
R9	150K 1/4W 5% SMD 1206	1	QualiLevel II	Lambda G: 0.500000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.000500	0.000500
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MTBF Report Details

Calculation Model	Bellcore Issue 6	Method I Case 1
Environment	GB, GC - Ground Benign, Controlled	
Temperature	40.00	
Assembly/Type	Diode	

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
D101	ER1004 SUPER FAST RECOVERY RECTIFIER	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
ZD100	ZMM56 56V	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
ZD101	ZMM14 14V	1	Qual:Level II, Type:General Purpose, Si, Type:Hermetic	Lambda G: 6.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.006000	0.006000
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MTBF Report Details

Calculation Model

Environment

Temperature

Assembly/Type

Bellcore Issue 6

Method I Case 1

GB, GC - Ground Benign, Controlled

40.00

Inductor

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
L1	TEN WELL PN: 883973 REV.B	1	QualiLevel II, Type:Power Filter	Lambda G: 19.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.019000	0.019000
L100	Globtek PN: 403-0017 Rev A	1	QualiLevel II, Type:Power Filter	Lambda G: 19.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.019000	0.019000
T1	GTM2065P6548 REV C	1	QualiLevel II, Type:Power, Filter Choke	Lambda G: 19.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.019000	0.019000
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MTBF Report Details

Calculation Model	Bellcore Issue 6	Method I Case 1
Environment	GB, GC - Ground Benign, Controlled	
Temperature	40.00	
Assembly/Type	Fuse	

Ckt Code	Description	Qty	Specific Data	Pi Factors	Failure Rate
F1	T 2A 250V MRT	1	QualLevel II, Type:<= 30A	Lambda G: 5.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.005000	0.005000
F2	T 2A 250V MRT	1	QualLevel II, Type:<= 30A	Lambda G: 5.000000, Pi E: 1.000000, Pi FY: 4.000000, Pi Q: 1.000000, Pi S: 1.000000, Pi T: 1.000000, Model Failure Rate: 0.005000	0.005000
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