Instant MTBF Data Input Sheet – Commercial / Bellcore TR-332

Probabilistic Software, Inc.
http://www.e-MTBF.com

System / Equipment Name:	
Assembly Name:	
Quantity Of This Assembly:	
Parts List Number:	
Environment:	**Circle One: GB, GF, GM, AC Or SC**
Part Ambient Temperature:	**_____ Degrees C. (If un-known use 40 Degrees C.)**
Parts Quality:	**Commercial / Bellcore TR-332**

Quantity	Description
----------	**Integrated Circuits, Bipolar, Digital**
	IC / Bipolar, Digital 1 - 20 Gates (15 Nominal)
	IC / Bipolar, Digital 21 - 50 Gates (40 Nominal)
	IC / Bipolar, Digital 51 - 100 Gates (80 Nominal)
	IC / Bipolar, Digital 101 - 500 Gates (400 Nominal)
	IC / Bipolar, Digital 501 - 1,000 Gates (800 Nominal)
	IC / Bipolar, Digital 1,001 - 2,000 Gates (1,600 Nominal)
	IC / Bipolar, Digital 2,001 - 3,000 Gates (2,500 Nominal)
	IC / Bipolar, Digital 3,001 - 5,000 Gates (4,000 Nominal)
	IC / Bipolar, Digital 5,001 - 7,500 Gates (6,500 Nominal)
	IC / Bipolar, Digital 7,501 - 10,000 Gates (9,000 Nominal)
	IC / Bipolar, Digital 10,001 - 15,000 Gates (13,000 Nominal)
	IC / Bipolar, Digital 15,001 - 20,000 Gates (18,000 Nominal)
	IC / Bipolar, Digital 20,001 - 30,000 Gates (25,000 Nominal)
	IC / Bipolar, Digital 30,001 - 50,000 Gates (40,000 Nominal)
----------	**Integrated Circuits, NMOS, Digital**
	IC / NMOS, Digital 1 - 20 Gates (15 Nominal)
	IC / NMOS, Digital 21 - 50 Gates (40 Nominal)
	IC / NMOS, Digital 51 - 100 Gates (80 Nominal)
	IC / NMOS, Digital 101 - 500 Gates (400 Nominal)
	IC / NMOS, Digital 501 - 1,000 Gates (800 Nominal)
	IC / NMOS, Digital 1,001 - 2,000 Gates (1,600 Nominal)
	IC / NMOS, Digital 2,001 - 3,000 Gates (2,500 Nominal)

	IC / NMOS, Digital 3,001 - 5,000 Gates (4,000 Nominal)
	IC / NMOS, Digital 5,001 - 7,500 Gates (6,500 Nominal)
	IC / NMOS, Digital 7,501 - 10,000 Gates (9,000 Nominal)
	IC / NMOS, Digital 10,001 - 15,000 Gates (13,000 Nominal)
	IC / NMOS, Digital 15,001 - 20,000 Gates (18,000 Nominal)
	IC / NMOS, Digital 20,001 - 30,000 Gates (25,000 Nominal)
	IC / NMOS, Digital 30,001 - 50,000 Gates (40,000 Nominal)
----------	**Integrated Circuits, CMOS, Digital**
	IC / CMOS, Digital 1 - 20 Gates (15 Nominal)
	IC / CMOS, Digital 21 - 50 Gates (40 Nominal)
	IC / CMOS, Digital 51 - 100 Gates (80 Nominal)
	IC / CMOS, Digital 101 - 500 Gates (400 Nominal)
	IC / CMOS, Digital 501 - 1,000 Gates (800 Nominal)
	IC / CMOS, Digital 1,001 - 2,000 Gates (1,600 Nominal)
	IC / CMOS, Digital 2,001 - 3,000 Gates (2,500 Nominal)
	IC / CMOS, Digital 3,001 - 5,000 Gates (4,000 Nominal)
	IC / CMOS, Digital 5,001 - 7,500 Gates (6,500 Nominal)
	IC / CMOS, Digital 7,501 - 10,000 Gates (9,000 Nominal)
	IC / CMOS, Digital 10,001 - 15,000 Gates (13,000 Nominal)
	IC / CMOS, Digital 15,001 - 20,000 Gates (18,000 Nominal)
	IC / CMOS, Digital 20,001 - 30,000 Gates (25,000 Nominal)
	IC / CMOS, Digital 30,001 - 50,000 Gates (40,000 Nominal)
----------	**Integrated Circuits, Bipolar, Microprocessors**
	IC / Bipolar, Microprocessor 1 - 20 Gates (15 Nominal)
	IC / Bipolar, Microprocessor 21 - 50 Gates (40 Nominal)
	IC / Bipolar, Microprocessor 51 - 100 Gates (80 Nominal)
	IC / Bipolar, Microprocessor 101 - 500 Gates (400 Nominal)
	IC / Bipolar, Microprocessor 501 - 1,000 Gates (800 Nominal)
	IC / Bipolar, Microprocessor 1,001 - 2,000 Gates (1,600 Nominal)
	IC / Bipolar, Microprocessor 2,001 - 3,000 Gates (2,500 Nominal)
	IC / Bipolar, Microprocessor 3,001 - 5,000 Gates (4,000 Nominal)
	IC / Bipolar, Microprocessor 5,001 - 7,500 Gates (6,500 Nominal)
	IC / Bipolar, Microprocessor 7,501 - 10,000 Gates (9,000 Nominal)
	IC / Bipolar, Microprocessor 10,001 - 15,000 Gates (13,000 Nominal)

	IC / Bipolar, Microprocessor 15,001 - 20,000 Gates (18,000 Nominal)
	IC / Bipolar, Microprocessor 20,001 - 30,000 Gates (25,000 Nominal)
	IC / Bipolar, Microprocessor 30,001 - 50,000 Gates (40,000 Nominal)
----------	**Integrated Circuits, NMOS, Microprocessors**
	IC / NMOS, Microprocessor 1 - 20 Gates (15 Nominal)
	IC / NMOS, Microprocessor 21 - 50 Gates (40 Nominal)
	IC / NMOS, Microprocessor 51 - 100 Gates (80 Nominal)
	IC / NMOS, Microprocessor 101 - 500 Gates (400 Nominal)
	IC / NMOS, Microprocessor 501 - 1,000 Gates (800 Nominal)
	IC / NMOS, Microprocessor 1,001 - 2,000 Gates (1,600 Nominal)
	IC / NMOS, Microprocessor 2,001 - 3,000 Gates (2,500 Nominal)
	IC / NMOS, Microprocessor 3,001 - 5,000 Gates (4,000 Nominal)
	IC / NMOS, Microprocessor 5,001 - 7,500 Gates (6,500 Nominal)
	IC / NMOS, Microprocessor 7,501 - 10,000 Gates (9,000 Nominal)
	IC / NMOS, Microprocessor 10,001 - 15,000 Gates (13,000 Nominal)
	IC / NMOS, Microprocessor 15,001 - 20,000 Gates (18,000 Nominal)
	IC / NMOS, Microprocessor 20,001 - 30,000 Gates (25,000 Nominal)
	IC / NMOS, Microprocessor 30,001 - 50,000 Gates (40,000 Nominal)
----------	**Integrated Circuits, CMOS, Microprocessors**
	IC / CMOS, Microprocessor 1 - 20 Gates (15 Nominal)
	IC / CMOS, Microprocessor 21 - 50 Gates (40 Nominal)
	IC / CMOS, Microprocessor 51 - 100 Gates (80 Nominal)
	IC / CMOS, Microprocessor 101 - 500 Gates (400 Nominal)
	IC / CMOS, Microprocessor 501 - 1,000 Gates (800 Nominal)
	IC / CMOS, Microprocessor 1,001 - 2,000 Gates (1,600 Nominal)
	IC / CMOS, Microprocessor 2,001 - 3,000 Gates (2,500 Nominal)
	IC / CMOS, Microprocessor 3,001 - 5,000 Gates (4,000 Nominal)
	IC / CMOS, Microprocessor 5,001 - 7,500 Gates (6,500 Nominal)
	IC / CMOS, Microprocessor 7,501 - 10,000 Gates (9,000 Nominal)
	IC / CMOS, Microprocessor 10,001 - 15,000 Gates (13,000 Nominal)
	IC / CMOS, Microprocessor 15,001 - 20,000 Gates (18,000 Nominal)
	IC / CMOS, Microprocessor 20,001 - 30,000 Gates (25,000 Nominal)
	IC / CMOS, Microprocessor 30,001 - 50,000 Gates (40,000 Nominal)

----------	**Integrated Circuits, Analog**
	IC / Analog 1 - 32 Transistors (20 Nominal)
	IC / Analog 33 - 90 Transistors (70 Nominal)
	IC / Analog 91 - 170 Transistors (150 Nominal)
	IC / Analog 171 - 260 Transistors (200 Nominal)
	IC / Analog 261 - 360 Transistors (300 Nominal)
	IC / Analog 361 - 470 Transistors (450 Nominal)
	IC / Analog 471 - 590 Transistors (550 Nominal)
	IC / Analog 591 - 720 Transistors (700 Nominal)
	IC / Analog 721 - 860 Transistors (800 Nominal)
----------	**Integrated Circuits, Bipolar, Static Random Access Memory (SRAM)**
	IC / Bipolar, SRAM 1 - 320 Bits (256 Nominal)
	IC / Bipolar, SRAM 321 - 576 Bits (512 Nominal)
	IC / Bipolar, SRAM 577 - 1,120 Bits (1K Nominal)
	IC / Bipolar, SRAM 1,121 - 2,240 Bits (2K Nominal)
	IC / Bipolar, SRAM 2,241 - 5,000 Bits (4K Nominal)
	IC / Bipolar, SRAM 5,001 - 11,000 Bits (8K Nominal)
	IC / Bipolar, SRAM 11,001 - 17,000 Bits (16K Nominal)
	IC / Bipolar, SRAM 17,001 - 38,000 Bits (32K Nominal)
	IC / Bipolar, SRAM 38,001 - 74,000 Bits (64K Nominal)
	IC / Bipolar, SRAM 74,001 - 150,000 Bits (128K Nominal)
	IC / Bipolar, SRAM 150,001 - 300,000 Bits (256K Nominal)
	IC / Bipolar, SRAM 300,001 - 600,000 Bits (512K Nominal)
	IC / Bipolar, SRAM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / Bipolar, SRAM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / Bipolar, SRAM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Integrated Circuits, NMOS, Static Random Access Memory (SRAM)**
	IC / NMOS, SRAM 1 - 320 Bits (256 Nominal)
	IC / NMOS, SRAM 321 - 576 Bits (512 Nominal)
	IC / NMOS, SRAM 577 - 1,120 Bits (1K Nominal)
	IC / NMOS, SRAM 1,121 - 2,240 Bits (2K Nominal)
	IC / NMOS, SRAM 2,241 - 5,000 Bits (4K Nominal)
	IC / NMOS, SRAM 5,001 - 11,000 Bits (8K Nominal)
	IC / NMOS, SRAM 11,001 - 17,000 Bits (16K Nominal)

	IC / NMOS, SRAM 17,001 - 38,000 Bits (32K Nominal)
	IC / NMOS, SRAM 38,001 - 74,000 Bits (64K Nominal)
	IC / NMOS, SRAM 74,001 - 150,000 Bits (128K Nominal)
	IC / NMOS, SRAM 150,001 - 300,000 Bits (256K Nominal)
	IC / NMOS, SRAM 300,001 - 600,000 Bits (512K Nominal)
	IC / NMOS, SRAM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / NMOS, SRAM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / NMOS, SRAM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Integrated Circuits, CMOS, Static Random Access Memory (SRAM)**
	IC / CMOS, SRAM 1 - 320 Bits (256 Nominal)
	IC / CMOS, SRAM 321 - 576 Bits (512 Nominal)
	IC / CMOS, SRAM 577 - 1,120 Bits (1K Nominal)
	IC / CMOS, SRAM 1,121 - 2,240 Bits (2K Nominal)
	IC / CMOS, SRAM 2,241 - 5,000 Bits (4K Nominal)
	IC / CMOS, SRAM 5,001 - 11,000 Bits (8K Nominal)
	IC / CMOS, SRAM 11,001 - 17,000 Bits (16K Nominal)
	IC / CMOS, SRAM 17,001 - 38,000 Bits (32K Nominal)
	IC / CMOS, SRAM 38,001 - 74,000 Bits (64K Nominal)
	IC / CMOS, SRAM 74,001 - 150,000 Bits (128K Nominal)
	IC / CMOS, SRAM 150,001 - 300,000 Bits (256K Nominal)
	IC / CMOS, SRAM 300,001 - 600,000 Bits (512K Nominal)
	IC / CMOS, SRAM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / CMOS, SRAM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / CMOS, SRAM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Integrated Circuits, NMOS/CMOS, Dynamic Random Access Memory (DRAM)**
	IC / NMOS/CMOS, DRAM 1 - 320 Bits (256 Nominal)
	IC / NMOS/CMOS, DRAM 321 - 576 Bits (512 Nominal)
	IC / NMOS/CMOS, DRAM 577 - 1,120 Bits (1K Nominal)
	IC / NMOS/CMOS, DRAM 1,121 - 2,240 Bits (2K Nominal)
	IC / NMOS/CMOS, DRAM 2,241 - 5,000 Bits (4K Nominal)
	IC / NMOS/CMOS, DRAM 5,001 - 11,000 Bits (8K Nominal)
	IC / NMOS/CMOS, DRAM 11,001 - 17,000 Bits (16K Nominal)
	IC / NMOS/CMOS, DRAM 17,001 - 38,000 Bits (32K Nominal)
	IC / NMOS/CMOS, DRAM 38,001 - 74,000 Bits (64K Nominal)

	IC / NMOS/CMOS, DRAM 74,001 - 150,000 Bits (128K Nominal)
	IC / NMOS/CMOS, DRAM 150,001 - 300,000 Bits (256K Nominal)
	IC / NMOS/CMOS, DRAM 300,001 - 600,000 Bits (512K Nominal)
	IC / NMOS/CMOS, DRAM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / NMOS/CMOS, DRAM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / NMOS/CMOS, DRAM 2,400,001 - 4,800,000 Bits (4M Nominal)
	IC / NMOS/CMOS, DRAM 4,800,001 - 9,600,000 Bits (8M Nominal)
	IC / NMOS/CMOS, DRAM 9,600,001 - 19,200,000 Bits (16M Nominal)
	IC / NMOS/CMOS, DRAM 19,200,001 - 38,400,000 Bits (32M Nominal)
----------	**Integrated Circuits, Bipolar, Read Only Memory (ROM, PROM, EPROM)**
	IC / Bipolar, ROM, PROM, EPROM 1 - 320 Bits (256 Nominal)
	IC / Bipolar, ROM, PROM, EPROM 321 - 576 Bits (512 Nominal)
	IC / Bipolar, ROM, PROM, EPROM 577 - 1,120 Bits (1K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 1,121 - 2,240 Bits (2K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 2,241 - 5,000 Bits (4K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 5,001 - 11,000 Bits (8K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 11,001 - 17,000 Bits (16K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 17,001 - 38,000 Bits (32K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 38,001 - 74,000 Bits (64K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 74,001 - 150,000 Bits (128K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 150,001 - 300,000 Bits (256K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 300,001 - 600,000 Bits (512K Nominal)
	IC / Bipolar, ROM, PROM, EPROM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / Bipolar, ROM, PROM, EPROM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / Bipolar, ROM, PROM, EPROM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Integrated Circuits, NMOS, Read Only Memory (ROM, PROM, EPROM)**
	IC / NMOS, ROM, PROM, EPROM 1 - 320 Bits (256 Nominal)
	IC / NMOS, ROM, PROM, EPROM 321 - 576 Bits (512 Nominal)
	IC / NMOS, ROM, PROM, EPROM 577 - 1,120 Bits (1K Nominal)
	IC / NMOS, ROM, PROM, EPROM 1,121 - 2,240 Bits (2K Nominal)
	IC / NMOS, ROM, PROM, EPROM 2,241 - 5,000 Bits (4K Nominal)
	IC / NMOS, ROM, PROM, EPROM 5,001 - 11,000 Bits (8K Nominal)
	IC / NMOS, ROM, PROM, EPROM 11,001 - 17,000 Bits (16K Nominal)
	IC / NMOS, ROM, PROM, EPROM 17,001 - 38,000 Bits (32K Nominal)

	IC / NMOS, ROM, PROM, EPROM 38,001 - 74,000 Bits (64K Nominal)
	IC / NMOS, ROM, PROM, EPROM 74,001 - 150,000 Bits (128K Nominal)
	IC / NMOS, ROM, PROM, EPROM 150,001 - 300,000 Bits (256K Nominal)
	IC / NMOS, ROM, PROM, EPROM 300,001 - 600,000 Bits (512K Nominal)
	IC / NMOS, ROM, PROM, EPROM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / NMOS, ROM, PROM, EPROM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / NMOS, ROM, PROM, EPROM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Integrated Circuits, CMOS, Read Only Memory (ROM, PROM, EPROM)**
	IC / CMOS, ROM, PROM, EPROM 1 - 320 Bits (256 Nominal)
	IC / CMOS, ROM, PROM, EPROM 321 - 576 Bits (512 Nominal)
	IC / CMOS, ROM, PROM, EPROM 577 - 1,120 Bits (1K Nominal)
	IC / CMOS, ROM, PROM, EPROM 1,121 - 2,240 Bits (2K Nominal)
	IC / CMOS, ROM, PROM, EPROM 2,241 - 5,000 Bits (4K Nominal)
	IC / CMOS, ROM, PROM, EPROM 5,001 - 11,000 Bits (8K Nominal)
	IC / CMOS, ROM, PROM, EPROM 11,001 - 17,000 Bits (16K Nominal)
	IC / CMOS, ROM, PROM, EPROM 17,001 - 38,000 Bits (32K Nominal)
	IC / CMOS, ROM, PROM, EPROM 38,001 - 74,000 Bits (64K Nominal)
	IC / CMOS, ROM, PROM, EPROM 74,001 - 150,000 Bits (128K Nominal)
	IC / CMOS, ROM, PROM, EPROM 150,001 - 300,000 Bits (256K Nominal)
	IC / CMOS, ROM, PROM, EPROM 300,001 - 600,000 Bits (512K Nominal)
	IC / CMOS, ROM, PROM, EPROM 600,001 - 1,200,000 Bits (1M Nominal)
	IC / CMOS, ROM, PROM, EPROM 1,200,001 - 2,400,000 Bits (2M Nominal)
	IC / CMOS, ROM, PROM, EPROM 2,400,001 - 4,800,000 Bits (4M Nominal)
----------	**Opto-Electronic Devices**
	Opto-Electronic Device / Fiber Optic Laser Module, Uncontrolled Environments
	Opto-Electronic Device / Fiber Optic Laser Module, Controlled Environments
	Opto-Electronic Device / Fiber Optic LED Module, Uncontrolled Environments
	Opto-Electronic Device / Fiber Optic LED Module, Controlled Environments
	Opto-Electronic Device / Fiber Optic Detector Module, Uncontrolled Environments
	Opto-Electronic Device / Fiber Optic Detector Module, Controlled Environments
	Opto-Electronic Device / Fiber Optic Coupler, Uncontrolled Environments
	Opto-Electronic Device / Fiber Optic Coupler, Controlled Environments
	Opto-Electronic Device / WDM (Passive), Uncontrolled Environments
	Opto-Electronic Device / WDM (Passive), Controlled Environments

	Opto-Electronic Device / Optical Isolator
	Opto-Electronic Device / Optical Filter
----------	**Other Optical Devices**
	Other Optical Device / Single LED/LCD Display
	Other Optical Device / Phototransistor
	Other Optical Device / Photodiode
----------	**Single Isolators**
	Single Isolator / Photodiode Detector
	Single Isolator / Phototransistor Detector
	Single Isolator / Light Sensitive Resistor
----------	**Dual Isolators**
	Dual Isolator / Photodiode Detector
	Dual Isolator / Phototransistor Detector
	Dual Isolator / Light Sensitive Resistor
----------	**Alpha-Numeric Displays**
	Alpha-Numeric Display / 1 Character
	Alpha-Numeric Display / 1 Character with Logic Chip
	Alpha-Numeric Display / 2 Character
	Alpha-Numeric Display / 2 Character with Logic Chip
	Alpha-Numeric Display / 3 Character
	Alpha-Numeric Display / 3 Character with Logic Chip
	Alpha-Numeric Display / 4 Character
	Alpha-Numeric Display / 5 Character
	Alpha-Numeric Display / 6 Character
	Alpha-Numeric Display / 7 Character
	Alpha-Numeric Display / 8 Character
	Alpha-Numeric Display / 9 Character
	Alpha-Numeric Display / 10 Character
----------	**Transistors**
	Transistor / Silicon, NPN/PNP <= 0.6 Watts
	Transistor / Silicon, NPN/PNP > 0.6 and <= 6.0 Watts
	Transistor / Silicon, NPN/PNP > 6.0 Watts
	Transistor / Germanium, NPN <= 0.6 Watts
	Transistor / Germanium, NPN > 0.6 and <= 6.0 Watts

	Transistor / Germanium, NPN > 6.0 Watts
	Transistor / Germanium, PNP <= 0.6 Watts
	Transistor / Germanium, PNP > 0.6 and <= 6.0 Watts
	Transistor / Germanium, PNP > 6.0 Watts
	Transistor / Field Effect, Silicon Linear
	Transistor / Field Effect, Silicon Switch
	Transistor / Field Effect, Silicon High Frequency
	Transistor / Field Effect, GaAs Low Noise (<= 100 mW)
	Transistor / Field Effect, GaAs Driver (<= 100 mW)
	Transistor / Unijunction
	Transistor / Microwave, Pulse Amplifier
	Transistor / Microwave, Continuous Wave
----------	**Diodes**
	Diode / Silicon, General Purpose < 1 Amps.
	Diode / Silicon, General Purpose >= 1 and <= 20 Amps.
	Diode / Silicon, General Purpose > 20 Amps.
	Diode / Silicon, Microwave Detector
	Diode / Silicon, Microwave Mixer
	Diode / Germanium, General Purpose < 1 Amp.
	Diode / Germanium, General Purpose >= 1 and <= 20 Amps.
	Diode / Germanium, General Purpose > 20 Amps.
	Diode / Germanium, Microwave Detector
	Diode / Germanium, Microwave Mixer
	Diode / Voltage Regulator <= 0.5 Watts
	Diode / Voltage Regulator >= 0.6 and <= 1.5 Watts
	Diode / Voltage Regulator > 1.5 Watts
	Diode / Thyristor <= 1 Amp.
	Diode / Thyristor > 1 Amp.
	Diode / Varactor, Step Recovery, Tunnel
	Diode / Varistor, Silicon Carbide
	Diode / Varistor, Metal Oxide
----------	**Thermistors**
	Thermistor / Bead
	Thermistor / Disk

	Thermistor / Rod
	Thermistor / Polymetric Positive Temp. Coefficient (PPTC) Device
----------	**Fixed Resistors**
	Resistor / Fixed, Composition <= 1 M Ohm
	Resistor / Fixed, Composition > 1 M Ohm
	Resistor / Fixed, Film (Carbon, Oxide, Metal) <= 1 M Ohm
	Resistor / Fixed, Film (Carbon, Oxide, Metal) > 1 M Ohm
	Resistor / Fixed, Film, Power (> 1 Watt) <= 1 M Ohm
	Resistor / Fixed, Film, Power (> 1 Watt) > 1 M Ohm
	Resistor / Fixed, Wirewound, Accurate <= 1 M Ohm
	Resistor / Fixed, Wirewound, Accurate > 1 M Ohm
	Resistor / Fixed, Wirewound, Power, Lead Mounted
	Resistor / Fixed, Wirewound, Power, Chassis Mounted
----------	**Variable Resistors**
	Resistor / Variable, Non-Wirewound, Film <= 200 K Ohm
	Resistor / Variable, Non-Wirewound, Film > 200 K Ohm
	Resistor / Variable, Non-Wirewound, Low Precision, Carbon <= 200 K Ohm
	Resistor / Variable, Non-Wirewound, Low Precision, Carbon > 200 K Ohm
	Resistor / Variable, Non-Wirewound, Precision <= 200 K Ohm
	Resistor / Variable, Non-Wirewound, Precision > 200 K Ohm
	Resistor / Variable, Non-Wirewound, Trimmer <= 200 K Ohm
	Resistor / Variable, Non-Wirewound, Trimmer > 200 K Ohm
	Resistor / Variable, Wirewound, High Power <= 5 K Ohm
	Resistor / Variable, Wirewound, High Power > 5 K Ohm
	Resistor / Variable, Wirewound, Leadscrew
	Resistor / Variable, Wirewound, Precision <= 100 K Ohm
	Resistor / Variable, Wirewound, Precision > 100 K Ohm
	Resistor / Variable, Wirewound, Semi-Precision <= 5 K Ohm
	Resistor / Variable, Wirewound, Semi-Precision > 5 K Ohm
----------	**Network Resistors**
	Resistor Network / Discrete Elements
	Resistor Network / Thick Or Thin Film

----------	**Capacitors**
	Capacitor / Fixed, Paper
	Capacitor / Fixed, Paper/Plastic
	Capacitor / Fixed, Plastic
	Capacitor / Fixed, Mica
	Capacitor / Fixed, Glass
	Capacitor / Fixed, Ceramic
	Capacitor / Fixed, Tantalum, Solid, Hermetic
	Capacitor / Fixed, Tantalum, Solid, Non-Hermetic
	Capacitor / Fixed, Tantalum, Nonsolid
	Capacitor / Fixed, Aluminum, Axial Lead < 400 uF
	Capacitor / Fixed, Aluminum, Axial Lead 400 uF - 12,000 uF
	Capacitor / Fixed, Aluminum, Axial Lead > 12,000 uF
	Capacitor / Fixed, Aluminum, Chassis Mounted < 400 uF
	Capacitor / Fixed, Aluminum, Chassis Mounted 400 uF - 12,000 uF
	Capacitor / Fixed, Aluminum, Chassis Mounted > 12,000 uF
	Capacitor / Variable, Air, Trimmer
	Capacitor / Variable, Ceramic
	Capacitor / Variable, Piston, Glass
	Capacitor / Variable, Vacuum
----------	**Inductive Devices**
	Transformer / Pulse Low Level
	Transformer / Pulse High Level
	Transformer / Audio
	Transformer / Power (> 1 Watt)
	Transformer / Radio Frequency
	Coil / Load Coil
	Coil / Power Filter
	Coil / Radio Frequency, Fixed
	Coil / Radio Frequency, Variable
----------	**Connectors**
	Connector / General Purpose, Power, 1 - 5 Pins
	Connector / General Purpose, Power, 6 - 10 Pins
	Connector / General Purpose, Power, 11 - 20 Pins

	Connector / General Purpose, Power, 21 - 50 Pins
	Connector / Coaxial, Electrical
	Connector / Coaxial, Optical, 1 - 2 Pins
	Connector / Coaxial, Optical, 3 - 5 Pins
	Connector / Coaxial, Optical, 6 - 10 Pins
	Connector / Multi-Pin, 1 - 20 Pins
	Connector / Multi-Pin, 21 - 50 Pins
	Connector / Multi-Pin, 51 - 100 Pins
	Connector / Multi-Pin, 101 - 200 Pins
	Connector / Printed Board, Edge, 1 - 20 Pins
	Connector / Printed Board, Edge, 21 - 50 Pins
	Connector / Printed Board, Edge, 51 - 100 Pins
	Connector / Printed Board, Edge, 101 - 200 Pins
	Connector / Ribbon Cable, 1 - 20 Pins
	Connector / Ribbon Cable, 21 - 50 Pins
	Connector / Ribbon Cable, 51 - 100 Pins
	Connector / Ribbon Cable, 101 - 200 Pins
	Connector / IC Socket, 1 - 20 Pins
	Connector / IC Socket, 21 - 50 Pins
	Connector / IC Socket, 51 - 100 Pins
	Connector / IC Socket, 101 - 200 Pins
----------	**Switches**
	Switch / Toggle or Pushbutton, 1 Contact Pair, e.g. SPST
	Switch / Toggle or Pushbutton, 2 Contact Pairs, e.g. SPDT
	Switch / Toggle or Pushbutton, 4 Contact Pairs, e.g. DPDT
	Switch / Toggle or Pushbutton, <= 8 Contact Pairs
	Switch / Toggle or Pushbutton, <= 20 Contact Pairs
	Switch / Toggle or Pushbutton, <= 50 Contact Pairs
	Switch / Rocker or Slide, 1 Contact Pair, e.g. SPST
	Switch / Rocker or Slide, 2 Contact Pairs, e.g. SPDT
	Switch / Rocker or Slide, 4 Contact Pairs, e.g. DPDT
	Switch / Rocker or Slide, <= 8 Contact Pairs
	Switch / Rocker or Slide, <= 20 Contact Pairs
	Switch / Rocker or Slide, <= 50 Contact Pairs

	Switch / Rotary, 1 Contact Pair, e.g. SPST
	Switch / Rotary, 2 Contact Pairs, e.g. SPDT
	Switch / Rotary, 4 Contact Pairs, e.g. DPDT
	Switch / Rotary, <= 8 Contact Pairs
	Switch / Rotary, <= 20 Contact Pairs
	Switch / Rotary, <= 50 Contact Pairs
----------	**Relays**
	Relay / General Purpose
	Relay / Contactor
	Relay / Latching
	Relay / Reed
	Relay / Thermal, Bimetal
	Relay / Mercury
	Relay / Solid State
----------	**Rotating Devices**
	Rotating Device / Blower Assembly
	Rotating Device / Blower Motor
	Rotating Device / Fan Assembly < 6 Inch Diameter
	Rotating Device / Fan Motor < 1/3 HP
----------	**Miscellaneous Devices**
	Gyroscope /
	Vibrator / 60 Hertz
	Vibrator / 120 Hertz
	Vibrator / 400 Hertz
	Ceramic Resonator /
	Quartz Crystal /
	Crystal Oscillator / Quartz Controlled
	Crystal Oscillator / Voltage Controlled
	Circuit Breaker / Protection-Only Application (per pole)
	Circuit Breaker / Power On/Off Application (per pole)
	Fuse / <= 30 Amps.
	Fuse / > 30 Amps.
	Lamp / Neon
	Lamp / Incandescent, 5 V DC

	Lamp / Incandescent, 12 V DC
	Lamp / Incandescent 48 V DC
	Meter /
	Heater (Crystal Oven) /
	Microwave Elements / Coaxial and Waveguide, Load
	Microwave Elements / Coaxial and Waveguide, Fixed Attenuator
	Microwave Elements / Coaxial and Waveguide, Variable Attenuator
	Microwave Elements / Fixed Elements, Directional Couplers
	Microwave Elements / Fixed Elements, Fixed Stubs
	Microwave Elements / Fixed Elements, Cavities
	Microwave Elements / Variable Elements, Tuned Stubs
	Microwave Elements / Variable Elements, Tuned Cavities
	Microwave Elements / Ferrite Devices (Transmit)
	Microwave Elements / Ferrite Devices (Receive)
	Thermo-Electric Cooler (< 2 Watts) /
	Delay Lines /
	Battery / Nickel Cadmium
	Battery / Lithium
----------	**Custom Parts information can be entered below (e.g. mechanical parts, potted modules, and miscellaneous parts not covered by Bellcore TR-332).**

Quantity	**Description**	**Enter Either Failure Rate Or MTBF**	
		Failure Rate -- FITS (Parts Per Billion Hours)	**MTBF -- Hours**

Environments:

GB = Ground, Fixed, Controlled
GF = Ground, Fixed, Uncontrolled
GM = Ground, Mobile (both vehicular mounted and portable)
AC = Airborne, Commercial
SC = Spacebased, Commercial

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