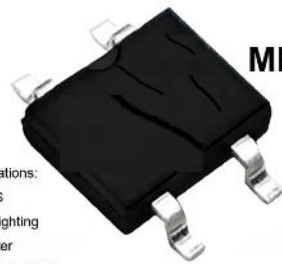
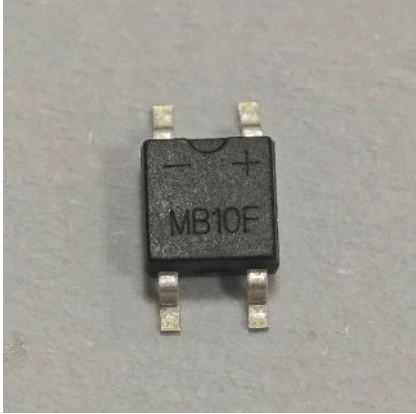


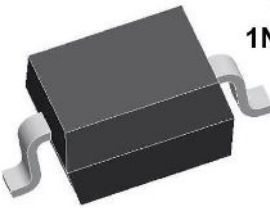


No.	Part	Title	Description	Photo
1	MB10F	MB10F Rectifier Bridge MBF 1A Surface Mount Glass Passivated Bridge Rectifier	Specifications: • Brand: CTK • Manufacturer: Tongke Electronic • Product Category: Rectifier Bridge • Package Outline: MBF • Part Number: MB10F • VR: 1000 V • Forward Current: 1 A • Terminals: Solderable per MIL-STD-750, Method 202 • Approx. Weight: 75mg/0.0026oz • MPQ: 5000 Features: • Glass Passivated Chip Junction • Reverse Voltage - 100 to 1000 V • Forward Current - 1 A • High Surge Current Capability • Designed for Surface Mount Application Applications: • SMPS • LED lighting • Adapter • Battery charger • Home appliances • Office equipment • Telecommunication application	CTK[®] Rectifier Bridge MBF MB10F  Applications: •SMPS •LED lighting •Adapter •Battery charger •Home appliances •Office equipment •Telecommunication application 

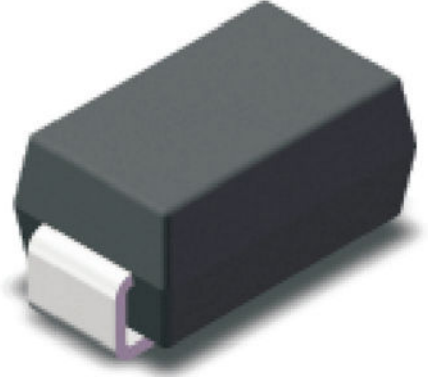
2	LL4148	LL4148 MiniMELF LL-34 Silicon Epitaxial Planar Switching Diode	Specifications: • Brand: CTK • Manufacturer: Tongke Electronic • Product Category: Switching Diode • Package Outline: LL-34/MiniMELF • Part Number: LL4148 • VR: 75 V • IF: 200 mA • MPQ: 2500 Features: • Glass Passivated Chip Junction • Reverse Voltage - 100 to 1000 V • Forward Current - 1 A • High Surge Current Capability • Designed for Surface Mount Application Applications: • SMPS • LED lighting • Adapter • Battery charger • Home appliances • Office equipment • Telecommunication application	
---	--------	--	---	--

3	1N4148	1N4148 DO-35 Fast Switching Diode Glass-Encapsulate Silicon Epitaxial Planar	Specifications: • Brand: CTK • Manufacturer: Tongke Electronic • Product Category: Switching Diode • Package Outline: DO-35 • Part Number: 1N4148 • MPQ: 5000• Part Status: Active • Technology: Standard• Pd - Power Dissipation: 500 mW • VRM: 100 V • VR: 75 V • IF(AV):200 mA • IFSM(at t = 1 s): 0.5 A (at t = 1 ms): 1 A (at t = 1 μs): 4 A Features: • Low Reverse Current • Surface Mount Package Ideally Suited for Automatic Insertion • Fast Switching Speed • For General Purpose Switching Applications	CTK[®] 1N4148 Switching Diode DO-35  Applications: • Consumer electronics • Communication equipment (such as radio frequency and microwave circuits) • Automotive electronics • Computer peripherals • Industrial control equipment
---	--------	--	--	---

4	1N4148W	1N4148W SOD-123 Fast Switching Diode Plastic-Encapsulate Diodes	Specifications: • Brand: CTK • Manufacturer: Tongke Electronic • Product Category: Switching Diode • Package Outline: SOD-123 • Part Number: 1N4148W • Pd - Power Dissipation: 350 mW • VR: 100 V • IF(AV):150 mA • MPQ: 3000 Features: • Fast Switching Speed • Surface Mount Package Ideally Suited for Automatic Insertion • For General Purpose Switching Applications • High Conductance	
---	---------	--	--	--

5	1N4148WS	1N4148WS SOD-323 Switching Diode Plastic-Encapsulate Silicon Epitaxial Planar	Specifications: • Manufacturer: CTK • Product Category: Switching Diode • Package Outline: SOD-323 • Part Number: 1N4148WS • MPQ: 3000 • Part Status: Active • Technology: Standard • Pd - Power Dissipation: 200 mW • VRM: 100 V • VR: 71 V • IFM:300 mA • IFSM(at t = 8.3 ms): 2 A Features: • Low Reverse Current • Surface Mount Package Ideally Suited for Automatic Insertion • Fast Switching Speed • For General Purpose Switching Applications Applications: • High-Speed Switching Circuits • Power Management • Protection Circuits • RF Circuits, Signal Rectification • Level Shifting • Pulse Circuits • Automotive Electronics • Portable and Miniaturized Devices	CTK[®] Switching Diode SOD-323 1N4148WS  Applications: High-Speed Switching Circuits, Power Management, Protection Circuits, RF Circuits, Signal Rectification, Level Shifting, Pulse Circuits, Automotive Electronics, Portable and Miniaturized Devices
---	----------	---	--	---

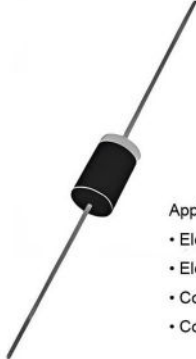
6	1N4007W, A7	A7 1N4007W SOD-123FL Rectifier Diode Surface Mount General Purpose Silicon Rectifiers	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: SOD-123FL Part Number:1N4007W/A7 Terminals: Solderable per MIL-STD-750, Method 2026 Approx. Weight: 15mg / 0.00053oz Reverse Voltage: 50 to 1000 V Forward Current: 1 A MPQ: 3000 Features: ▪ For surface mounted applications ▪ Low profile package ▪ Glass Passivated Chip Junction ▪ Ideal for automated placement ▪ Lead free in comply with EU RoHS 2011/65/EU directives	
---	----------------	---	---	--

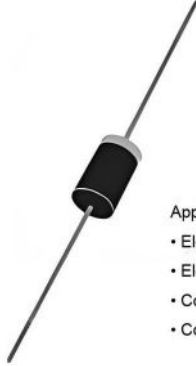
7	1N4007,M7	M7 1N4007 SMA Rectifier Diode Surface Mount General Purpose Silicon Rectifiers	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: SMA Part Number:1N4007/M7 Reverse Voltage: 50 to 1000 V Forward Current: 1 A Terminals: Solderable per MIL-STD-750, Method 2026 pprox. Weight: 0.055g / 0.002oz Surface Mount General Purpose Silicon Rectifiers MPQ: 2000 Features: For surface mounted applications Low profile package Glass Passivated Chip Junction Easy to pick and place Lead free in comply with EU RoHS 2011/65/EU directives	
---	-----------	--	---	---

8	1N4007	1N4007 DO-41 Rectifier Diode 1A Silicon Diode Molded Plastic	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: DO-41 Part Number:1N4007 Part Status: Active Technology: Standard IR @ VR (Max): 150 WA I(AV): 1A VRRM: 1000V IR: 5uA MPQ: 5000 Features: Diffused Junction High Current Capability and Low Forward Voltage Drop High Reliability High Surge Current Capability, Surge Overload Rating to 30A Peak Low Reverse Leakage Current Lead-Free Finish, RoHS Compliant	CTK[®] Rectifier Diode DO-41 1N4007 Applications: • Electronic equipment • Electricity • Communications • Computer
---	--------	---	--	---

9	1N4004	1N4004 DO-41 Plastic Silicon Rectifier Diode 1A Silicon Rectifier	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package outline: DO-41 Type Number 1N4004 Datasheet: 1N4004 Datasheet Part Status: Active Technology: Standard I(AV): 1A IR: 5 uA VRRM: 400 V MPO: 5000 Features: 1. High-temperature stability 2. Suitable for automated assembly processes 3. RoHS compliant 4. REACH compliant 5. Due to its voltage-stabilizing function, it is widely used in power supply equipment, communication equipment, small appliance control panels, LED lighting, computers, automotive electronics, electronic igniters, pc level shiners limiting circuits overvoltage protection circuits, compensation circuits, etc.	
---	--------	--	--	---

10	1N4003	IN4003 DO-41 Rectifier Diode General Purpose Rectifier Diodes	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package outline. DO-41 Type Number 1N4003 Datasheet: 1N4003 Datasheet Part Status. Active Technology: Standard I(AV): 1A IR: 5 uA VRRM: 200V MPQ: 5000 Features: 1. High-temperature stability 2. Suitable for automated assembly processes 3. RoHS compliant 4. REACH compliant 5. Due to its voltage-stabilizing function, it is widely used in power supply equipment, communication equipment, small appliance control panels, LED lighting, computers, automotive electronics, electronic igniters, pc level shiners limiting circuits overvoltage protection circuits, compensation circuits, etc.	
----	--------	---	--	--

11	1N4002	1N4002 DO-41 Plastic Silicon Rectifier Diode 1A Silicon Rectifier	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package outline: DO-41 Type Number 1N4002 Part Status: Active Technology: Standard I(AV): 1A IR: 5 uA VRRM: 400 V MPO: 5000 Features: 1. High-temperature stability 2. Suitable for automated assembly processes 3. RoHS compliant 4. REACH compliant 5. Due to its voltage-stabilizing function, it is widely used in power supply equipment, communication equipment, small appliance control panels, LED lighting, computers, automotive electronics, electronic igniters, pc level shiners limiting circuits overvoltage protection circuits, compensation circuits, etc.	 Rectifier Diode DO-41 1N4002 Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	--	--

12	1N4001	1N4001 DO-41 Plastic Silicon Rectifier Diode 1A Silicon Rectifier	Specifications: Manufacturer: CTK Product Category: Rectifier Diodes Package outline. DO-41 Type Number 1N4001 Part Status. Active Technology: Standard I(AV): 1A IR: 5 uA VRRM: 400 V MPQ: 5000 Features: 1. High-temperature stability 2. Suitable for automated assembly processes 3. RoHS compliant 4. REACH compliant 5. Due to its voltage-stabilizing function, it is widely used in power supply equipment, communication equipment, small appliance control panels, LED lighting, computers, automotive electronics, electronic igniters, pc level shiners limiting circuits overvoltage protection circuits, compensation circuits, etc.	  Rectifier Diode DO-41 1N4001 Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	--	--

13	SS14	SS14 SMA Schottky Diode Plastic Package	Specifications: • Manufacturer: CTK • Product Category: Schottky Diode • Package Outline: SMA • Part Number: SS14 • Datasheet: SS14 Datasheet • MPQ: 2000 • Part Status: Active • Technology: Standard • VRRM:40V • VRMS:28V • VDC:40V • IF:1A • IFSM:25A • VF: 0.55V • Cj: 110pF Features: • Metal silicon junction, majority carrier conduction • For surface mounted applications • Low power loss, high efficiency • High forward surge current capability • For use in low voltage, high frequency inverters,free wheeling, and polarity protection applications	CTK[®] Schottky Diode SMA SS14  Applications: Power Rectification, Reverse Polarity Protection Switching Power Supplies, Solar Energy Systems Battery Chargers, Inductive Load Protection, LED Drivers
----	------	---	---	---

14	SS34	SS34 SMA Schottky Diode Plastic Package	Specifications: • Manufacturer: CTK • Product Category: Schottky Diode • Package Outline: SMA • Part Number: SS34 • Datasheet: SS34 Datasheet • MPQ: 2000 • Part Status: Active • Technology: Standard • VRRM:40V • VRMS:28V • VDC:40V • IF:3A • IFSM:80A • VF: 0.55V • Cj: 450pF Features: • Metal silicon junction, majority carrier conduction • For surface mounted applications • Low power loss, high efficiency • High forward surge current capability • For use in low voltage, high frequency inverters,free wheeling, and polarity protection applications	CTK[®] Schottky Diode SMA SS34  Applications: Power Rectification, Reverse Polarity Protection Switching Power Supplies, Solar Energy Systems Battery Chargers, Inductive Load Protection, LED Drivers
----	------	---	---	--

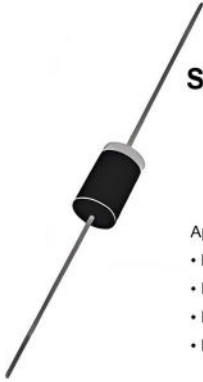
15	1N5817	1N5817 DO-41 Schottky Diodes 1.0A Schottky Barrier Rectifier	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-201AD Part Number: 1N5820 Operating temperature range: -65°C ~ 175°C Case: Molded Plastic Terminals: Plated Leads Solderable per MIL-STD-202, Method 208 Polarity: Cathode Band Weight: 1.2 grams (approx.) Mounting Position: Any Lead Free: For RoHS / Lead Free Version IO: 3.0 A VR:20 V MPQ: 1250 Features: Schottky Barrier Chip Guard Ring Die Construction for Transient Protection High Current Capability Low Power Loss, High Efficiency High Surge Current Capability For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	CTK[®] Schottky Diode DO-41 1N5817  Applications: • Power Management • Freewheeling Diode • Protection Circuits • Solar and Battery Management • Switch-Mode Power Supply (SMPS) • Automotive Electronics • Communication Equipment • Portable Devices
----	--------	---	--	---

16	1N5818	1N5818 DO-41 Schottky Diodes 1.0A Schottky Barrier Rectifier	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-41 Part Number: 1N5818 Operating temperature range: -65°C ~ 175°C Case: Molded Plastic Terminals: Plated Leads Solderable per MIL-STD-202, Method 208 Polarity: Cathode Band Weight: 0.34 grams (approx.) Mounting Position: Any Lead Free: For RoHS / Lead Free Version IO: 1.0 A VR: 150 V MPQ: 5000 Features: 1. Schottky Barrier Chip 2. Guard Ring Die Construction for Transient Protection 3. High Current Capability 4. Low Power Loss, High Efficiency 5. High Surge Current Capability 6. For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 Schottky Diode DO-41 1N5818  Applications: • Power Management • Freewheeling Diode • Protection Circuits • Solar and Battery Management • Switch-Mode Power Supply (SMPS) • Automotive Electronics • Communication Equipment • Portable Devices
----	--------	---	--	---

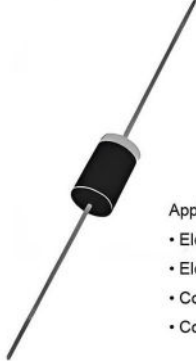
17	1N5819	1N5819 DO-41 Schottky Diodes 1.0A Schottky Barrier Rectifier	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-41 Part Number: 1N5819 Operating temperature range: -65°C ~ 175°C Case: Molded Plastic Terminals: Plated Leads Solderable per MIL-STD-202, Method 208 Polarity: Cathode Band Weight: 0.34 grams (approx.) Mounting Position: Any Marking: 1N5819 IO: 1.0 A VR: 200 V MPQ: 5000 Features: 1. Schottky Barrier Chip 2. Guard Ring Die Construction for Transient Protection 3. High Current Capability 4. Low Power Loss, High Efficiency 5. High Surge Current Capability 6. For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 CTK[®] Schottky Diode DO-41 1N5819 Applications: • Power Management • Freewheeling Diode • Protection Circuits • Solar and Battery Management • Switch-Mode Power Supply (SMPS) • Automotive Electronics • Communication Equipment • Portable Devices
----	--------	---	---	--

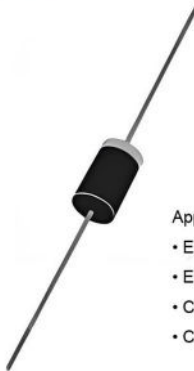
18	1N5820	1N5820 DO-201AD Schottky Diodes 3.0A Schottky Barrier Rectifier	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-201AD Part Number: 1N5820 Operating temperature range: -65°C ~ 175°C Case: Molded Plastic Terminals: Plated Leads Solderable per MIL-STD-202, Method 208 Polarity: Cathode Band Weight: 1.2 grams (approx.) Mounting Position: Any Lead Free: For RoHS / Lead Free Version IO: 3.0 A VR:20 V MPQ: 1250 Features: Schottky Barrier Chip Guard Ring Die Construction for Transient Protection High Current Capability Low Power Loss, High Efficiency High Surge Current Capability For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 CTK[®] Schottky Diode DO-201AD 1N5820 Applications: • Power Rectification • Reverse Polarity Protection • Flyback Diodes • Solar • Battery Chargers • Switching Power Supplies
----	--------	--	--	---

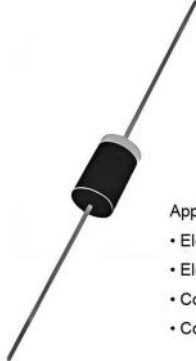
19	1N5822	1N5822 DO-201AD Schottky Diodes 3.0A Schottky Barrier Rectifier	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-201AD Part Number: 1N5822 Operating temperature range: -65°C ~ 175°C Case: Molded Plastic Terminals: Plated Leads Solderable per MIL-STD-202, Method 208 Polarity: Cathode Band Weight: 1.2 grams (approx.) Mounting Position: Any Lead Free: For RoHS / Lead Free Version IO: 3.0 A VR:40 V MPQ: 1250 Features: Schottky Barrier Chip Guard Ring Die Construction for Transient Protection High Current Capability Low Power Loss, High Efficiency High Surge Current Capability For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 CTK[®] Schottky Diode DO-201AD 1N5822 Applications: • Power Rectification • Reverse Polarity Protection • Flyback Diodes • Solar • Battery Chargers • Switching Power Supplies
----	--------	--	--	---

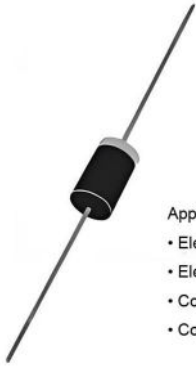
20	SR5100/ SB5100	SR5100/ SB5100 DO-201AD Schottky diode	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-201AD/ DO-27 Part Number: SR5100/ SB5100 Part Status: Active Technology: Standard IO: 5.0 A VR: 100V MPQ: 1250 Features: 1. Schottky Diodes 2. Guard Ring Die Construction for Transient Protection 3. High Current Capability 4. Low Power Loss, High Efficiency 5. High Surge Current Capability 6. For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 Schottky Diode DO-201AD SR5100/SB5100 Applications: • Low voltage inverters • High frequency inverters • Free wheeling • Polarity protection
----	-------------------	--	--	--

21	SR5200/ SB5200	SR5200/SB5200 DO-201AD Schottky diode	Specifics: Manufacturer: CTK Product Category: Schottky Diodes Package Outline: DO-201AD/DO-27 Part Number: SR5200/ SB5200 Part Status: Active Technology: Standard IO: 5.0 A VR: 200V MPQ: 1250 Features: 1. Schottky Diodes 2. Guard Ring Die Construction for Transient Protection 3. High Current Capability 4. Low Power Loss, High Efficiency 5. High Surge Current Capability 6. For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications	 Schottky Diode DO-201AD SR5200/SB5200  Applications: • Low voltage inverters • High frequency inverters • Free wheeling • Polarity protection
----	-------------------	---------------------------------------	---	--

22	IN5408	IN5408 DO-27(DO-201AD) Plastic-Encapsulate Rectifier Diodes	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: DO-27(DO-201AD) Part Number:1N5408 Part Status: Active Technology: Standard Operating temperature range: -55°C ~ 150°C Tolerance accuracy: ±5% Average Forward Current: 3A Repetitive Peak Reverse Voltage:1000V MPQ: 1250 Feature: ● IF(AV) 3.0A ● VRRM 50V-1000V ● High surge current capability	  Rectifier Diode DO-201AD 1N5408 Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	---	---

23	1N5406	1N5406 DO-27(DO-201AD) Plastic-Encapsulate Rectifier Diodes	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: DO-27(DO-201AD) Part Number:1N5406 Part Status: Active Technology: Standard Operating temperature range: -55°C ~ 150°C Tolerance accuracy: ±5% Average Forward Current: 3A Repetitive Peak Reverse Voltage:600V MPQ: 1250 Feature: ● IF(AV) 3.0A ● VRRM 50V-1000V ● High surge current capability	  Rectifier Diode DO-201AD 1N5406 Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	--	---

24	1N5401	1N5401 DO-27(DO-201AD) Plastic-Encapsulate Rectifier Diodes	Specifications: Manufacturer: CTK Product Category: Rectifier Diodes Package Outline: DO-27(DO-201AD) Part Number:1N5401 Part Status: Active Technology: Standard Operating temperature range: -55°C ~ 150°C Tolerance accuracy: ±5% Average Forward Current: 3A Repetitive Peak Reverse Voltage:100V MPQ: 1250 Feature: ● IF(AV) 3.0A ● VRRM 50V-1000V ● High surge current capability	 Rectifier Diode DO-201AD 1N5401  Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	--	---

25	1N5400	1N5400 DO-27(DO-201AD) Plastic-Encapsulate Rectifier Diodes	Specifications: Brand: CTK Manufacturer: Tongke Electronic Product Category: Rectifier Diodes Package Outline: DO-27(DO-201AD) Part Number:1N5400 Part Status: Active Technology: Standard Operating temperature range: -55°C ~ 150°C Tolerance accuracy: ±5% Average Forward Current: 3A Repetitive Peak Reverse Voltage:50V MPQ: 1250 Feature: ● IF(AV) 3.0A ● VRRM 50V-1000V ● High surge current capability	CTK[®] Rectifier Diode DO-201AD 1N5400  Applications: • Electronic equipment • Electricity • Communications • Computer
----	--------	---	---	--