Bridge Rectifier Diodes • Schottky Bridge Rectifier Diodes • Fast Response Rectifier Diodes
Standard Rectifier Diodes • Schottky Rectifier Diodes

Bourns® Rectifier Diodes
Short Form Brochure

BOURNS®

Introduction

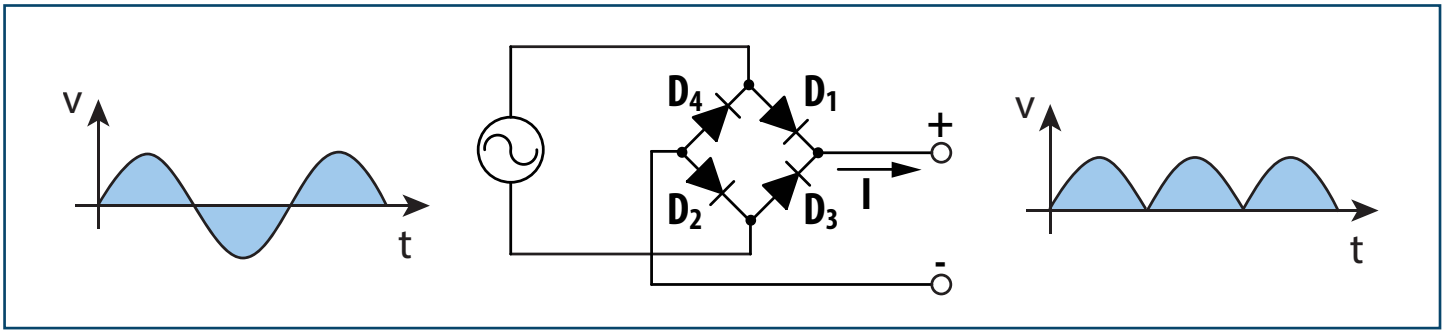
Bourns® Rectifier Diodes

A rectifier is an electrical device used to convert alternating current (AC) which periodically reverses direction, to direct current (DC) which flows in only one direction. Bourns offers a wide variety of rectifier products including bridge rectifiers and discrete rectifiers. Bourns® bridge rectifiers perform with higher forward current and low forward voltages for use in low voltage and high efficiency designs. Fast response rectifier diodes support fast reverse recovery time with high forward current capability for high speed switched-mode power supply applications. Standard rectifier diodes provide high forward current capability with low reverse leakage current, and Schottky rectifier diodes can perform with high forward current and low forward voltage for low heat dissipation. AC to DC and DC to DC converters are common applications of rectifier diodes.

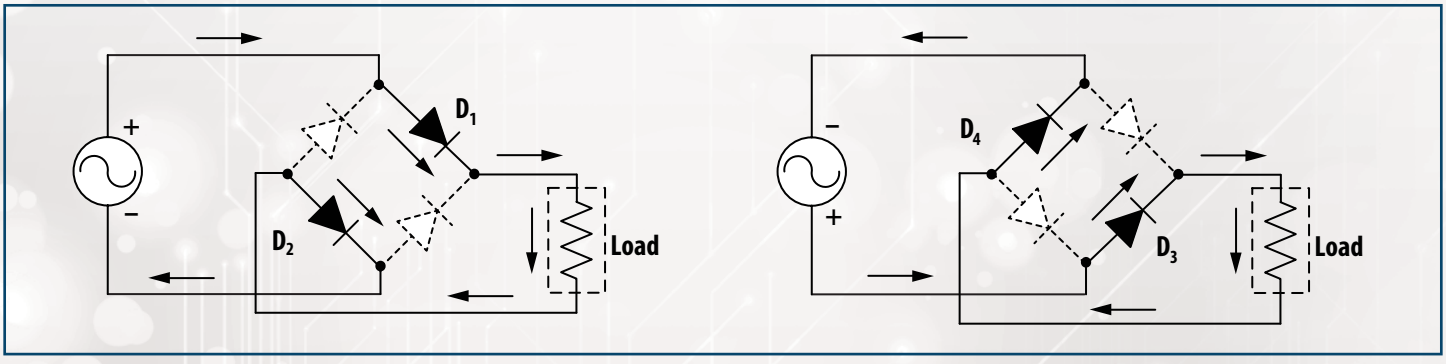
Bourns® Rectifier Diode Product Offering

- **Bridge Rectifier Diodes**
- **Schottky Bridge Rectifier Diodes**
- **Fast Response Rectifier Diodes**
- **Standard Rectifier Diodes**
- **Schottky Rectifier Diodes**

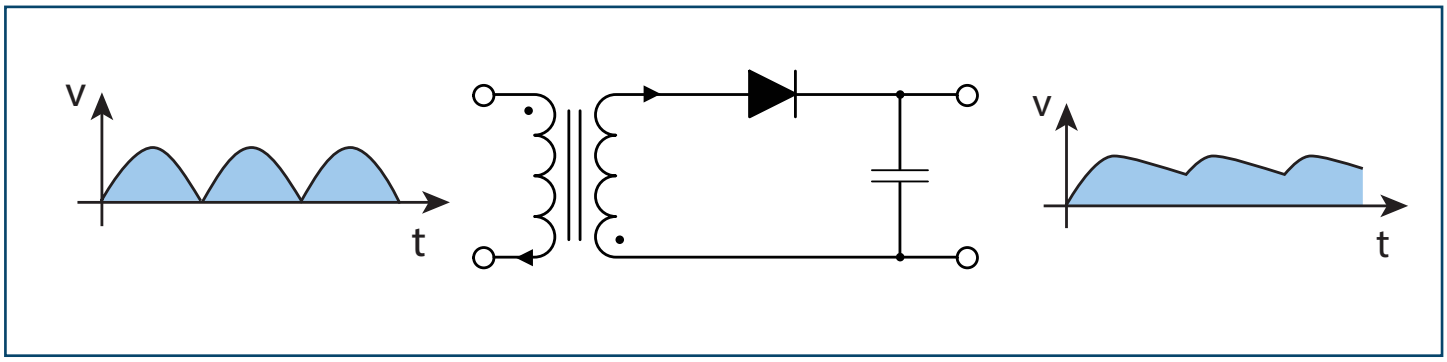
AC to DC Converter



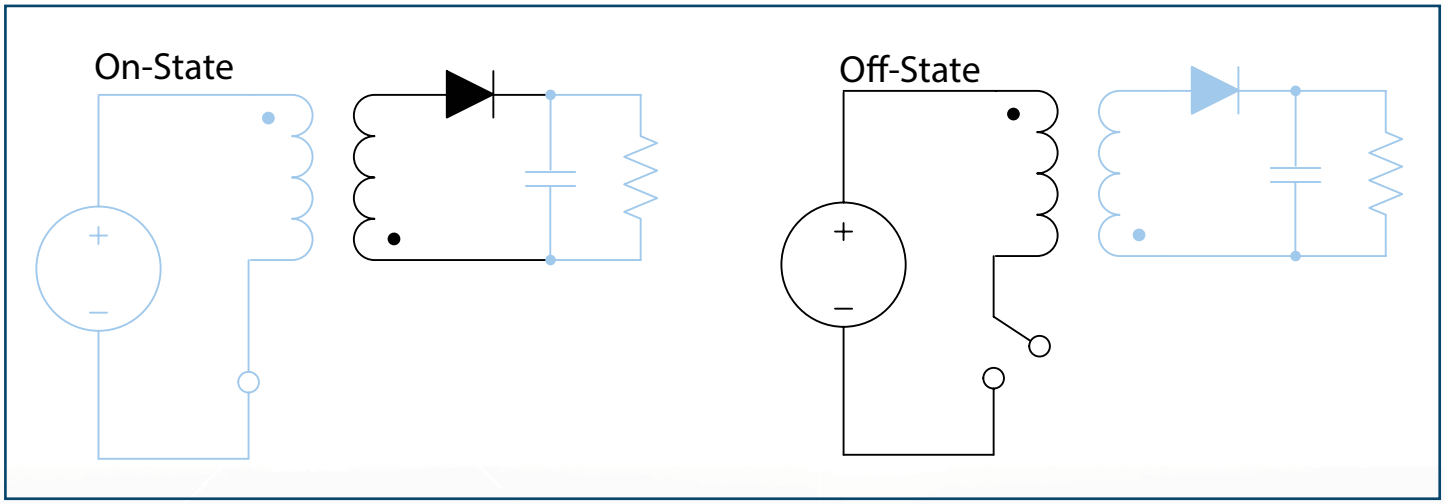
A bridge rectifier diode or four discrete rectifier diodes connected in a closed loop "bridge" configuration provide full-wave rectification from AC input into a DC output. The bridge rectifier diode blocks the current in the reverse direction and allows the current in the forward direction to keep the output current in one direction. During the positive half cycle of the supply, diodes D_1 and D_2 conduct in series while diodes D_3 and D_4 are reverse biased and the current flows through the load. During the negative half cycle of the supply, diodes D_3 and D_4 conduct in series, but diodes D_1 and D_2 switch "OFF" which are reverse biased. The current flowing through the load.



DC to DC Converter



Switched-mode DC to DC converters transform one DC voltage level to another, which may be higher (boost) or lower (buck), by storing the input energy temporarily and then releasing that energy to the output at a different voltage. When the switch is in the on-state, the rectifier diode blocks the reverse current and the energy is transferred from the input voltage source to the transformer and the output capacitor supplies energy to the output load. When the switch is in the off-state, the energy is transferred from the transformer to the output load and the output capacitor.



Product Selection

General Rectifier Diode Parameters

Maximum Repetitive Peak Reverse Voltage (V_{RRM}) is the maximum voltage a rectifier diode can withstand in the reverse direction without breaking down or avalanching, and rectifier diodes must have a peak inverse voltage rating higher than the maximum voltage being applied to them in the application.

Maximum Average Forward Rectified Current (I_F) is the maximum allowable average forward current in the normal operating temperature range.

Maximum Peak Forward Surge Current (I_{FSM}) is the maximum allowable non-repetitive half-sine wave surge current with a pulse width of 8.3 milliseconds.

Forward Voltage (V_F) is the rectifier diode's forward voltage and low V_F rectifier diodes have less power dissipation in the forward direction to save energy.

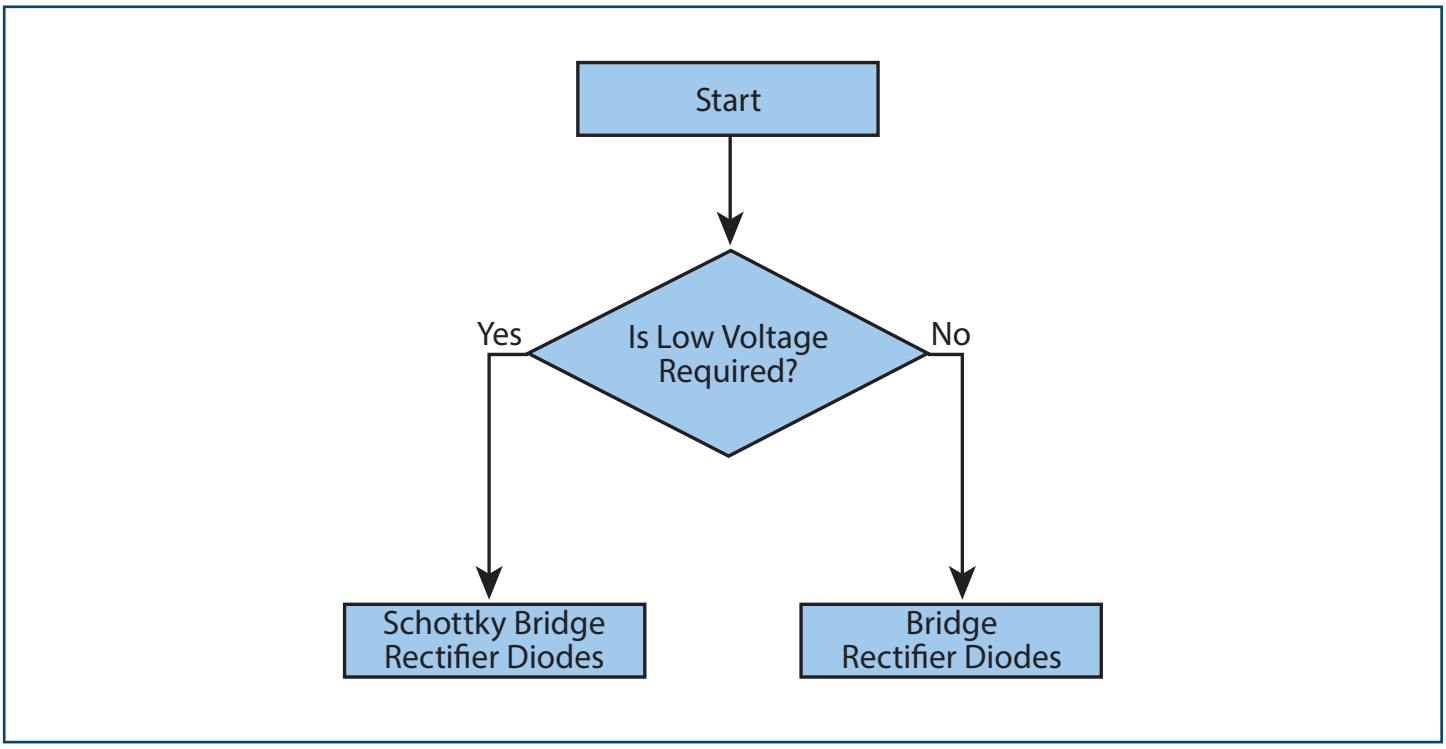
Reverse Leakage Current (I_R) is the diode's reverse leakage current, and low I_R rectifier diodes have less power dissipation in the reverse direction for power reduction.

Junction Capacitance (C_J) is the junction capacitance, and Reverse Recovery Time (T_{rr}) is the turn-off delay from the forward direction to the reverse direction. Low junction capacitance and fast reverse recovery time rectifier diodes are used for high-speed switching converter applications.

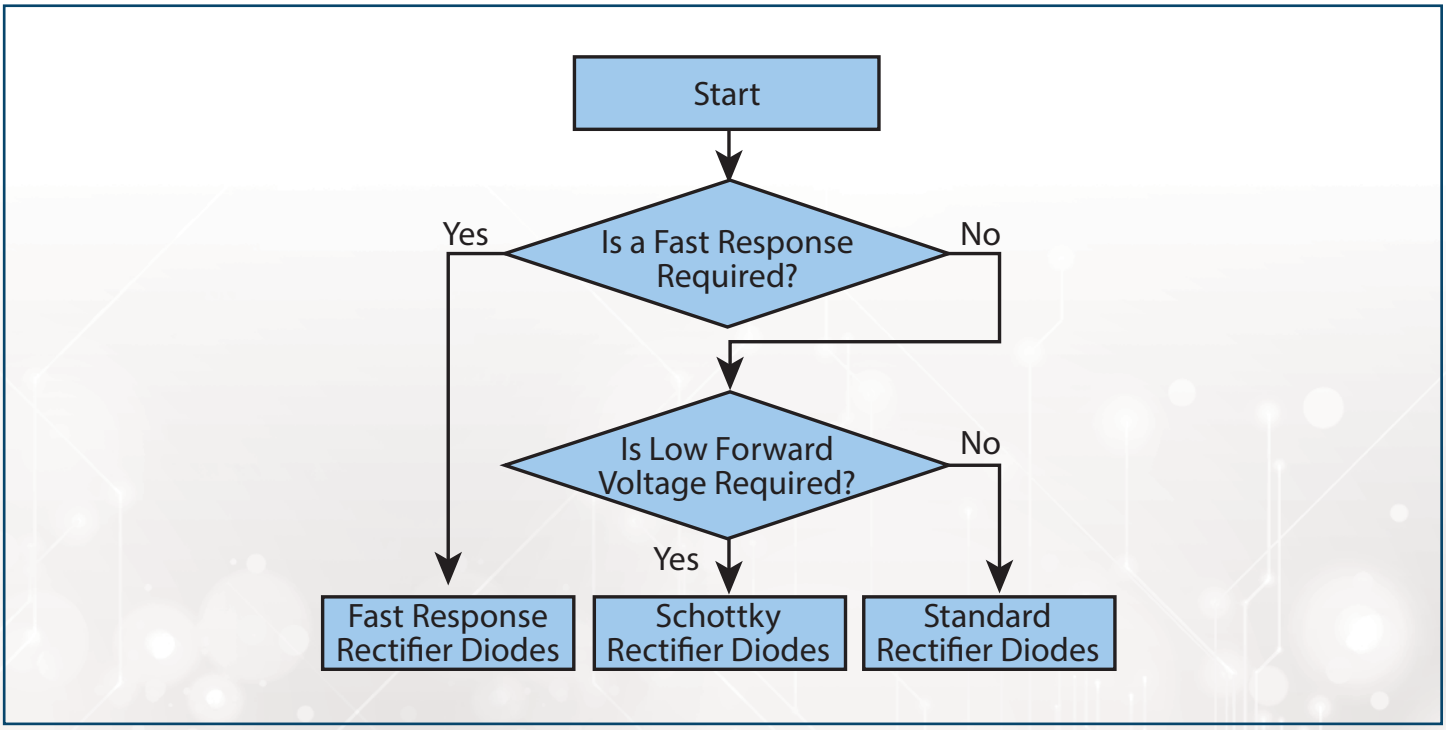
Thermal Resistance to Air ($R_{\Theta JA}$) is the resistance to heat flow. Low thermal resistance rectifier diodes generate less heat, making them a good quality insulator.

Symbol	Parameter	Unit	Description
V_{RRM}	Maximum Repetitive Peak Reverse Voltage	V	Maximum allowable repetitive instantaneous value of the diode's reverse voltage
I_F	Maximum Average Forward Rectified Current	A	Maximum allowable average forward current
I_{FSM}	Maximum Peak Forward Surge Current	A	Maximum allowable non-repetitive half-sine wave surge current
V_F	Forward Voltage	V	Voltage of the diode at I_F
I_R	Reverse Leakage Current	μA	Reverse leakage current at V_{RRM}
C_J	Junction Capacitance	pF	Junction capacitance of the diode
T_{rr}	Reverse Recovery Time	ns	Duration of time for diode to "turn off" when alternating current is from forward-bias to reverse-bias polarity
$R_{\Theta JA}$	Thermal Resistance to Air	°C/W	Temperature difference between junction and outside air per watt

Bridge Rectifier Selection

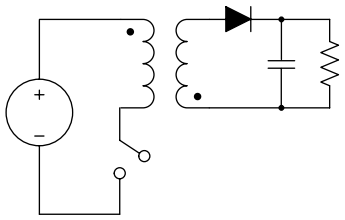


Discrete Rectifier Selection



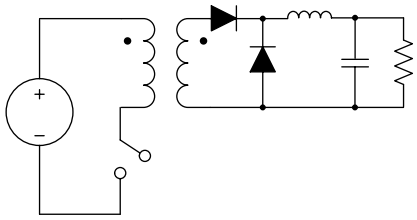
Rectifier Diode Applications

Flyback Converter Topology



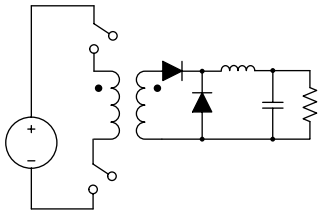
Isolation	Yes
Max. Power (W)	100
Strengths	Ground referenced switch, multiple outputs, fewer components
Weaknesses	Limited to 10 A output, high stress on diode, inefficient (use of ZVS converters improves losses)
Applications	AC/DC and DC/DC appliances, solar inverters, LED lighting, AC adaptors, E-meters, battery chargers, automotive, circuit breakers, TVs, STBs, PoE

Forward Topology



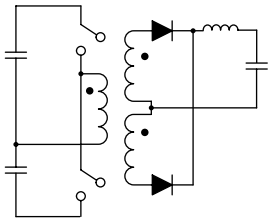
Isolation	Yes
Max. Power (W)	200
Strengths	Large step-down ratio
Weaknesses	High voltage on-switch increases power lost
Applications	AC/DC, DC/DC industrial controls

Two-Switch Forward Topology



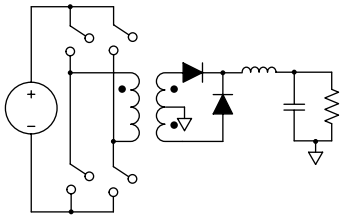
Isolation	Yes
Max. Power (W)	1000
Strengths	Very rugged circuit
Weaknesses	Noisy input
Applications	AC/DC, DC/DC industrial controls

Half Bridge Forward Topology



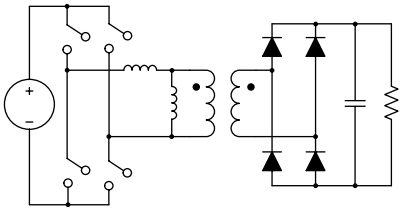
Isolation	Yes
Max. Power (W)	500
Strengths	Reduced core loss
Weaknesses	Does not work well with current mode, making it less than ideal for off-line power supplies
Applications	DC/DC industrial controls, telecom, data processing

Full Bridge Forward Topology



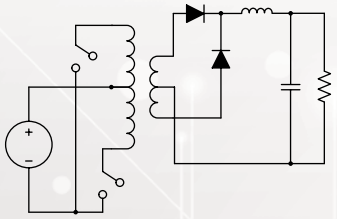
Isolation	Yes
Max. Power (W)	5000
Strengths	Clamped primary switch and minimal switching losses
Weaknesses	Requires experience to get functioning properly
Applications	AC/DC and DC/DC industrial controls, telecom, data processing, automotive HEV / EV

Full Bridge Resonant Topology



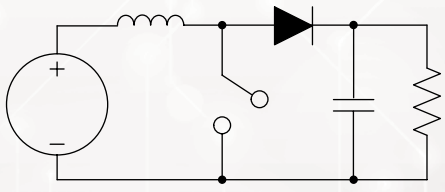
Isolation	Yes
Max. Power (W)	5000
Strengths	Soft switching
Weaknesses	Narrow input range
Applications	Lighting

Push Pull Converter Topology



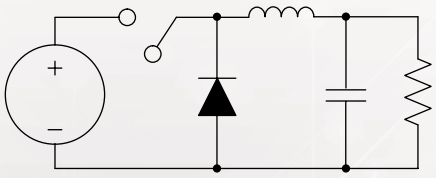
Isolation	Yes
Max. Power (W)	500
Strengths	Ground referenced switches
Weaknesses	Limited to low input voltages
Applications	DC/DC battery chargers, servers

Boost Converter Topology



Isolation	No
Max. Power (W)	1000
Strengths	Low noise input
Weaknesses	Requires current mode control and has no isolation
Applications	AC/DC and DC/DC power factor correction circuits, automotive electric vehicles, motor drives (appliances)

Buck Converter Topology



Isolation	No
Max. Power (W)	1000
Strengths	Low noise output
Weaknesses	Optimum input/output ratio must be less than 10; no isolation
Applications	AC/DC and DC/DC notebooks, servers, graphic processors, automotive

Bridge Rectifier Diodes

Features

High current capability

Low profile package

Applications

Switch Mode Power Supplies (SMPS)

Power Supplies

Part Number	V_{RRM} (V)	I_F (A)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD-MBL102S	200	1	30	1	5	25	MBLS	5.9	5.4	95
CD-MBL104S	400	1	30	1	5	25	MBLS	5.9	5.4	95
CD-MBL106S	600	1	30	1	5	25	MBLS	5.9	5.4	95
CD-MBL106SL	600	1	45	0.95	5	25	MBLS	5.9	5.4	95
CD-MBL108S	800	1	30	1	5	25	MBLS	5.9	5.4	95
CD-MBL108SL	800	1	45	0.95	5	25	MBLS	5.9	5.4	95
CD-MBL110S	1000	1	30	1	5	25	MBLS	5.9	5.4	95
CD-MBL110SL	1000	1	45	0.95	5	25	MBLS	5.9	5.4	95
CD-MBL206S	600	2	50	1	5	25	MBLS	5.9	5.4	95
CD-MBL206SL	600	2	60	0.96	5	35	MBLS	5.9	5.4	95
CD-MBL208S	800	2	50	1	5	25	MBLS	5.9	5.4	95
CD-MBL208SL	800	2	60	0.96	5	35	MBLS	5.9	5.4	95
CD-MBL210S	1000	2	50	1	5	25	MBLS	5.9	5.4	95
CD-MBL210SL	1000	2	60	0.96	5	35	MBLS	5.9	5.4	95
CD-DF406S	600	4	150	0.95	5	45	DFS-4	10.6	8.2	35
CD-DF406SL	600	4	150	0.9	5	45	DFS-4	10.6	8.2	35
CD-DF408S	800	4	150	0.95	5	45	DFS-4	10.6	8.2	35
CD-DF408SL	800	4	150	0.9	5	45	DFS-4	10.6	8.2	35
CD-DF410S	1000	4	150	0.95	5	45	DFS-4	10.6	8.2	35
CD-DF410SL	1000	4	150	0.9	5	45	DFS-4	10.6	8.2	35

Schottky Bridge Rectifier Diodes

Features

High current capability

Low forward voltage

Low profile package

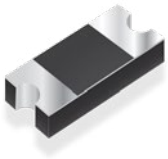
Applications

Switch Mode Power Supplies (SMPS)

Power Supplies

Part Number	V_{RRM} (V)	I_F (A)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD-HD004	40	1	30	0.5	200	250	TO-269AA	6.25	4.85	110
CD-HD006	60	1	30	0.7	200	250	TO-269AA	6.25	4.85	110
CD-HD01	100	1	30	0.85	200	250	TO-269AA	6.25	4.85	110
CD-HD2004	40	2	50	0.5	200	250	TO-269AA	6.25	4.85	110
CD-HD2006	60	2	50	0.7	200	250	TO-269AA	6.25	4.85	110
CD-HD2006L	60	2	50	0.55	200	250	TO-269AA	6.25	4.85	110
CD-HD201	100	2	50	0.85	200	250	TO-269AA	6.25	4.85	110
CD-HD201L	100	2	60	0.8	100	250	TO-269AA	6.25	4.85	145

Fast Response Rectifier Diodes



Features

High current capability

Fast reverse recovery time

Applications

High Frequency
Switch Mode Power Supplies

Inverters

Part Number	V_{RRM} (V)	I_F (A)	T_{rr} (ns)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD1408-FU1200	200	1	35	30	0.93	2	10	SOD-123	3.4	1.9	80
CD1408-FU1400	400	1	35	30	1.05	5	10	SOD-123	3.4	1.9	80
CD1408-FU1600	600	1	35	30	1.25	5	10	SOD-123	3.4	1.9	80
CD1408-FU1800	800	1	35	25	2.5	5	10	SOD-123	3.4	1.9	80
CD1408-FF1200	200	1	50	30	1.7	5	10	SOD-123	3.4	1.9	95
CD1408-FF1400	400	1	50	30	1.7	5	10	SOD-123	3.4	1.9	95
CD1408-FF1600	600	1	50	30	1.7	5	10	SOD-123	3.4	1.9	95
CD1408-FF1800	800	1	50	30	1.7	5	10	SOD-123	3.4	1.9	95
CD1408-FF11500	1500	1	50	16	6	5	10	SOD-123	3.4	1.9	95
CD1408-FF11000	1000	1	75	25	1.7	5	10	SOD-123	3.4	1.9	95
CD1408-F1200	200	1	300	30	1.3	5	15	SOD-123	3.4	1.9	80
CD1408-F1400	400	1	300	30	1.3	5	15	SOD-123	3.4	1.9	80
CD1408-F1600	600	1	300	30	1.3	5	15	SOD-123	3.4	1.9	80
CD1408-F1800	800	1	300	30	1.3	5	15	SOD-123	3.4	1.9	80
CD1408-F11000	1000	1	300	30	1.3	5	15	SOD-123	3.4	1.9	80
CD214A-FS1D	200	1	35	30	0.94	0.2	8	DO-214AC (SMA)	4.5	2.2	70
CD214A-FS1G	400	1	35	30	1.15	0.2	8	DO-214AC (SMA)	4.5	2.2	70
CD214A-FS1J	600	1	35	25	1.4	0.2	8	DO-214AC (SMA)	4.5	2.2	70
CD214A-FS1K	800	1	35	25	1.65	0.2	8	DO-214AC (SMA)	4.5	2.2	70
CD214A-RS1D	200	1	150	30	1.05	0.1	8.2	DO-214AC (SMA)	4.5	2.2	61
CD214A-RS1G	400	1	150	30	1.05	0.1	8.2	DO-214AC (SMA)	4.5	2.2	61
CD214A-RS1J	600	1	250	30	1.05	0.1	8.2	DO-214AC (SMA)	4.5	2.2	61
CD214A-RS1K	800	1	300	30	1.05	0.1	8.2	DO-214AC (SMA)	4.5	2.2	61
CD214A-RS1M	1000	1	500	30	1.05	0.1	8.2	DO-214AC (SMA)	4.5	2.2	61
CD214B-FS2D	200	2	35	50	0.94	0.2	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS2G	400	2	35	50	1.15	0.2	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS2J	600	2	35	50	1.4	0.2	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS2K	800	2	35	50	1.65	0.2	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS3D	200	3	35	90	0.93	5	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS3G	400	3	35	90	1.2	5	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS3J	600	3	35	90	1.5	5	19	DO-214AA (SMB)	5.2	3.6	66
CD214B-FS3K	800	3	35	90	1.9	5	19	DO-214AA (SMB)	5.2	3.6	66
CD214C-FS3D	200	3	35	100	0.93	0.2	19	DO-214AB (SMC)	8	5	60
CD214C-FS3G	400	3	35	100	1.2	0.2	19	DO-214AB (SMC)	8	5	60
CD214C-FS3J	600	3	35	100	1.4	0.2	19	DO-214AB (SMC)	8	5	60

High Voltage Rectifier Diodes

Features

High current capability

Low reverse leakage current

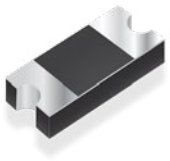
Applications

Switch Mode Power Supplies (SMPS)

Inverters

Part Number	V_{RRM} (V)	I_F (A)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD1408-R1200	200	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1400	400	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1600	600	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1800	800	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R11000	1000	1	30	1	1	12	SOD-123	3.4	1.9	80
CD214A-S1D	200	1	30	0.94	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1G	400	1	30	0.94	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1J	600	1	30	0.94	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1K	800	1	30	0.94	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1M	1000	1	30	0.94	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1Q	1200	1	30	1.1	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-S1Y	1600	1	30	1.1	0.1	12	DO-214AC (SMA)	4.5	2.2	115
CD214A-R12000R	2000	1	30	1.1	5	6	DO-214AC (SMA)	4.5	2.2	65
CD214B-S2D	200	2	50	0.96	0.1	14	DO-214AA (SMB)	5.2	3.6	130
CD214B-S2G	400	2	50	0.96	0.1	14	DO-214AA (SMB)	5.2	3.6	130
CD214B-S2J	600	2	50	0.96	0.1	14	DO-214AA (SMB)	5.2	3.6	130
CD214B-S2K	800	2	50	0.96	0.1	14	DO-214AA (SMB)	5.2	3.6	130
CD214B-S2M	1000	2	50	0.96	0.1	14	DO-214AA (SMB)	5.2	3.6	130
CD214B-S3D	200	3	96	0.94	0.1	23	DO-214AA (SMB)	5.2	3.6	74
CD214B-S3G	400	3	96	0.94	0.1	23	DO-214AA (SMB)	5.2	3.6	74
CD214B-S3J	600	3	96	0.94	0.1	23	DO-214AA (SMB)	5.2	3.6	74
CD214B-S3K	800	3	96	0.94	0.1	23	DO-214AA (SMB)	5.2	3.6	74
CD214B-S3M	1000	3	96	0.94	0.1	23	DO-214AA (SMB)	5.2	3.6	74
CD214C-S3D	200	3	100	0.96	0.1	23	DO-214AB (SMC)	8	5	118
CD214C-S3G	400	3	100	0.96	0.1	23	DO-214AB (SMC)	8	5	118
CD214C-S3J	600	3	100	0.96	0.1	23	DO-214AB (SMC)	8	5	118
CD214C-S3K	800	3	100	0.96	0.1	23	DO-214AB (SMC)	8	5	118
CD214C-S3M	1000	3	100	0.96	0.1	23	DO-214AB (SMC)	8	5	118

Standard Rectifier Diodes



Features

- High current capability
- Low reverse leakage current

Applications

- Switch Mode Power Supplies (SMPS)
- Inverters

Part Number	V_{RRM} (V)	I_F (A)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD1408-R1200	200	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1400	400	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1600	600	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R1800	800	1	30	1	1	12	SOD-123	3.4	1.9	80
CD1408-R11000	1000	1	30	1	1	12	SOD-123	3.4	1.9	80
CD214A-R150	50	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R1100	100	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R1200	200	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R1400	400	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R1600	600	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R1800	800	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R11000	1000	1	30	1	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R11100	1100	1	25	1.25	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R11200	1200	1	25	1.25	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R11600	1600	1	25	1.25	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214A-R12000	2000	1	25	2	5	12	DO-214AC (SMA)	4.3	2.6	75
CD214B-R250	50	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R2100	100	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R2200	200	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R2400	400	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R2600	600	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R2800	800	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R21000	1000	2	65	1	5	25	DO-214AA (SMB)	4.3	3.6	53
CD214B-R350	50	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R3100	100	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R3200	200	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R3400	400	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R3600	600	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R3800	800	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214B-R31000	1000	3	115	1	5	40	DO-214AA (SMB)	4.3	3.6	47
CD214C-R350	50	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R3100	100	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R3200	200	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R3400	400	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R3600	600	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R3800	800	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10
CD214C-R31000	1000	3	100	1.15	10	40	DO-214AB (SMC)	6.9	5.9	10

Schottky Rectifier Diodes

Features

- High current capability
- Low forward voltage

Applications

- Switch Mode Power Supplies (SMPS)
- Inverters

Part Number	V_{RRM} (V)	I_F (A)	I_{FSM} (A)	V_F @ I_F (V)	I_R (µA)	Capacitance (pF)	Compliant Package	Length (mm)	Width (mm)	$R_{\theta JA}$ (°C/W)
CD0603-B0240R	40	0.2	2	0.43	0.5	35	0603 (1608 metric)	1.6	0.9	160
CD0603-B0340R	40	0.3	2	0.47	3	35	0603 (1608 metric)	1.6	0.9	160
CD123D-B120R	20	1	20	0.46	0.015	110	SOD-123	3.4	1.9	190
CD123D-B140LR	40	1	20	0.37	0.3	115	SOD-123	3.4	1.9	190
CD123D-B140R	40	1	20	0.46	0.015	110	SOD-123	3.4	1.9	190
CD1206-B220	20	2	40	0.5	500	115	SOD-123	3.4	1.9	75
CD1206-B240	40	2	40	0.5	500	115	SOD-123	3.4	1.9	75
CD1206-B260	60	2	40	0.7	500	115	SOD-123	3.4	1.9	75
CD1206-B2100	100	2	40	0.85	500	115	SOD-123	3.4	1.9	75
CD214A-B120LR	20	1	30	0.37	350	110	DO-214AC (SMA)	4.5	2.2	55
CD214A-B120R	20	1	30	0.47	20	110	DO-214AC (SMA)	4.5	2.2	88
CD2010-B140	40	1	70	0.45	100	115	DO-214AC (SMA)	4.5	2.2	75
CD214A-B140LR	40	1	30	0.37	350	110	DO-214AC (SMA)	4.5	2.2	55
CD214A-B140R	40	1	30	0.47	20	110	DO-214AC (SMA)	4.5	2.2	88
CD2010-B160	60	1	50	0.52	500	115	DO-214AC (SMA)	4.5	2.2	75
CD214A-B160R	60	1	30	0.6	20	110	DO-214AC (SMA)	4.5	2.2	88
CD214A-B1100R	100	1	30	0.76	20	110	DO-214AC (SMA)	4.5	2.2	88
CD214A-B220LR	20	2	50	0.39	280	115	DO-214AC (SMA)	4.5	2.2	70
CD214A-B220R	20	2	50	0.49	25	115	DO-214AC (SMA)	4.5	2.2	75
CD214A-B240LR	40	2	50	0.39	280	115	DO-214AC (SMA)	4.5	2.2	70
CD214A-B240R	40	2	50	0.49	25	115	DO-214AC (SMA)	4.5	2.2	75
CD214A-B260R	60	2	50	0.6	25	115	DO-214AC (SMA)	4.5	2.2	75
CD214A-B320LR	20	3	80	0.39	550	120	DO-214AC (SMA)	4.5	2.2	55
CD214A-B320R	20	3	80	0.46	20	160	DO-214AC (SMA)	4.5	2.2	86
CD214A-B340LR	40	3	80	0.39	550	120	DO-214AC (SMA)	4.5	2.2	55
CD214A-B340R	40	3	80	0.46	20	160	DO-214AC (SMA)	4.5	2.2	86
CD214A-B360R	60	3	80	0.58	20	135	DO-214AC (SMA)	4.5	2.2	86
CD214B-B220R	20	2	50	0.49	25	115	DO-214AA (SMB)	5.2	3.6	65
CD214B-B240R	40	2	50	0.49	25	115	DO-214AA (SMB)	5.2	3.6	65
CD214B-B260R	60	2	50	0.6	25	115	DO-214AA (SMB)	5.2	3.6	65
CD214B-B2100R	100	2	50	0.75	25	115	DO-214AA (SMB)	5.2	3.6	65
CD214B-B320R	20	3	80	0.48	40	180	DO-214AA (SMB)	5.2	3.6	55
CD214B-B340R	40	3	80	0.48	40	180	DO-214AA (SMB)	5.2	3.6	55
CD214B-B360R	60	3	80	0.65	40	180	DO-214AA (SMB)	5.2	3.6	55
CD214B-B3100R	100	3	80	0.78	40	180	DO-214AA (SMB)	5.2	3.6	55
CD214C-B320R	20	3	100	0.47	25	180	DO-214AB (SMC)	8	5	55
CD214C-B340R	40	3	80	0.47	25	180	DO-214AB (SMC)	8	5	55
CD214C-B360R	60	3	80	0.65	25	180	DO-214AB (SMC)	8	5	55
CD214C-B3100R	100	3	80	0.78	25	180	DO-214AB (SMC)	8	5	55

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