

BOURNS TVS Diodes and Arrays

RoHS Compliant This product is RoHS compliant.

STEERING/TVS DIODE ARRAYS

A

B

C

D

1

Features:

- Lead free as standard
- ESD protection >25kV
- Protects Vcc and two data lines
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)

Applications:

- Ethernet-10/100/1000 Base T
- Firewire and USB
- Portable electronics
- Video/graphic cards

2

Features:

- Lead free as standard
- ESD protection
- Protects two lines
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)

Applications:

- Ethernet-10/100/1000 Base T
- Firewire and USB
- Portable electronics
- Video/graphic cards

3

Features:

- Lead free as standard
- ESD protection
- Protects two lines
- Low capacitance 3 pF
- IEC 61000-4-2
- Low leakage current <1 μA

Applications:

- Cell phones
- Desktops
- Laptops & Notebooks
- Portable electronics

4

Features:

- Lead free device
- Protects 4 lines
- ESD protection
- Low capacitance 3.5 pF
- IEC 61000-4-2
- IEC 61000-4-4

Applications:

- Ethernet-10/100/1000 Base T
- Cellular phones
- Video/graphic cards
- USB 2.0 interface
- DVI interface

5

Features:

- Low Capacitance - 3.0 pF
- ESD protection
- Vcc + six I/O data lines

Applications:

- USB 3.0
- HDMI 1.4
- High speed port protection
- Portable electronics

6

Applications:

- Personal Digital Assistants (PDAs)
- Mobile phones and accessories
- Memory card protection
- SIM card port protection
- Portable electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Working Voltage	Cap pF	Leakage Current	Data Lines	Package Type	Price Each				Reel Qty.	Price Per Piece
								1	100	500	1500		
652-CD143A-SR05	CD143A-SR05	A1	10	5	5	2	SOT143	1.20	.56	.49	.48	3000	.42
652-CD143A-SR05LC	CD143A-SR05LC	A1	5	10	5	2	SOT143	.87	.56	.49	.48	3000	.42
652-CD143A-SR12	CD143A-SR12	A1	10	1	12	2	SOT143	1.20	.56	.49	.48	3000	.42
652-CD143A-SR2.8	CD143A-SR2.8	A2	4.5	1	2.8	-	SOT143	1.20	.56	.49	.48	3000	.42
652-CD143A-SR3.3	CD143A-SR3.3	A2	4.5	1	3.3	-	SOT143	1.20	.56	.49	.48	3000	.42
652-CD143A-SR70	CD143A-SR70	A3	3	1	-	2	SOT143	1.20	.56	.49	.48	3000	.42
652-CDSOT23-SRV05-4	CDSOT23-SRV05-4	B4	3.5	5	5	-	SOT23	1.08	.73	.69	.65	3000	.63
652-CDDFN10-0506N	CDDFN10-0506N	C5	6	0.25	2.5	6	DFN-10	1.40	1.05	.875	.788	3000	.70
652-CDSOT23-S2004	CDSOT23-S2004	D6	240	5	100	-	SOT23	.20	.15	.125	.113	3000	.10

STEERING TVS DIODE ARRAY SERIES - BIDIRECTIONAL

A

B

C

D

E

1

Features:

- Lead free as standard
- Low clamping voltage
- Bidirectional ESD protection
- Protects 2 lines
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)

Applications:

- Computer interface protection
- Microprocessor protection
- Power lines on PCB protection
- Control signal lines protection
- Latchup protection

2

Features:

- Low capacitance-2.5 pF
- ESD protection
- Surge protection
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)
- IEC 61000-4-5 (Surge)

Applications:

- Personal Digital Assistants (PDAs)
- Mobile phones & accessories
- Memory card protection
- SIM card port protection
- Portable electronics

3

Features:

- Working peak reverse voltage 7 V or 12 V
- ESD protection >40 kV
- Surge protection
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)
- IEC 61000-4-5 (Surge)

Applications:

- Wireless systems
- Network protection
- Portable electronics

4

Features:

- Bidirectional TVS 3.3 V
- Low capacitance-23 pF
- ESD protection >25 kV
- Fits 0402 footprint
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)
- IEC 61000-4-5 (Surge)

Applications:

- Computers and peripherals
- Communication systems
- Audio & video equipment
- Portable instrumentation

5

Features:

- Bidirectional TVS 3.3 V
- Low capacitance-23 pF
- ESD protection >25 kV
- Fits 0402 footprint
- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)
- IEC 61000-4-5 (Surge)

Applications:

- Computers and peripherals
- Communication systems
- Audio and Video equipment
- Portable instrumentation

6

Features:

- Lead free as standard
- Low capacitance-15 pF
- ESD protection
- Surge protection

Applications:

- Personal Digital Assistants (PDAs)
- Mobile phones & accessories
- Memory card protection
- SIM card port protection
- Portable electronics

7

Features:

- Lead free as standard
- Telcordia GR1089 (intra-Building)
- ESD protection >40 kV
- Protects 1 line
- Low clamping voltage
- Bidirectional configuration

Applications:

- T1/E1 line cards
- ISDN telecom equipment
- XDSL, USB, SCSI and ethernet interfaces
- Data and bus lines for FCC Part 68 applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Working Voltage	Cap pF	Leakage Current	Data Lines	Package Type	Price Each				Reel Qty.	Price Per Piece
								1	100	500	1000		
652-CDSOT23-0502B	CDSOT23-0502B	A1	15	2.5	5	2	SOT23	.49	.35	.32	.28	3000	.25
652-CDSOT23-SLVU2.8	CDSOT23-SLVU2.8	A2	2.5	1	2.8	-	SOT23	1.08	.79	.69	.65	3000	.63
652-CDSOT23-SM712	CDSOT23-SM712	A3	75	1	7.5/13.3	-	SOT23	1.08	.79	.69	.65	3000	.63
652-CDDFN2-T5.0C	CDDFN2-T5.0C	B4	23	0.5	5	-	DFN-2	.28	.20	.18	.16	5000	.15
652-CDDFN2-T3.3LC	CDDFN2-T3.3LC	B4	3.3	13	0.1	-	DFN-2	.36	.293	.27	.225	3000	.203
652-CDDFN2-T5.0LC	CDDFN2-T5.0LC	B4	5	15	2	-	DFN-2	.36	.293	.27	.225	3000	.203
652-CDDFN2-T12C	CDDFN2-T12C	B4	12	12	2	-	DFN-2	.32	.26	.24	.20	5000	.18
652-CDDFN2-T24C	CDDFN2-T24C	B4	24	10	2	-	DFN-2	.32	.26	.24	.20	5000	.18
652-CDSOD323-T03SC	CDSOD323-T03SC	C5	200	125	3.3	-	SOD323	.56	.40	.36	.32	3000	.29
652-CDSOD323-T05SC	CDSOD323-T05SC	C5	175	10	5	-	SOD323	.56	.40	.36	.29	3000	.28
652-CDSOD323-T05LC	CDSOD323-T05LC	C5	0.6	5	5	-	SOD323	.77	.55	.50	.44	3000	.40
652-CD0603-T05C	CD0603-T05C	D6	15	2	5	-	0603	.28	.26	.23	.21	4000	.19
652-CD1005-T05C	CD1005-T05C	D6	15	2	5	-	1005	.25	.23	.20	.19	4000	.17
652-CDWBS16-PLC01-6	CDWBS16-PLC01-6	E7	6	25	6	1	SOIC16	3.90	3.20	2.85	-	1000	2.80