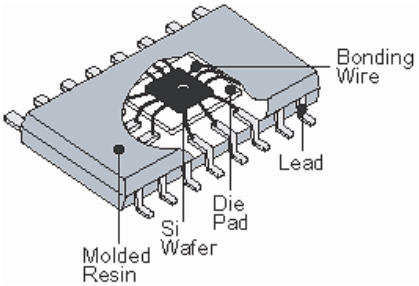
Steering Diode Arrays - ESD Suppressors

COMCHIP
SMD DIODE SPECIALIST

CDA Series-G (RoHS Device)

Features

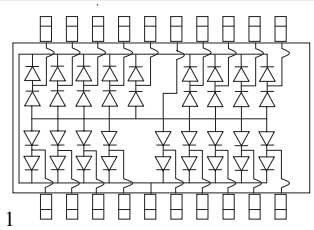
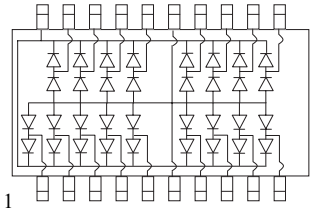
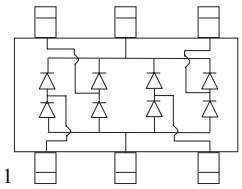
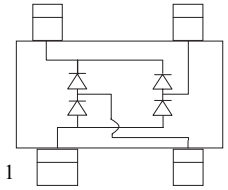
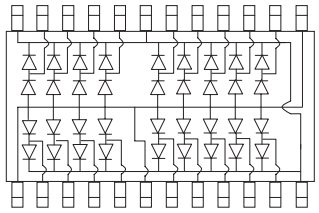
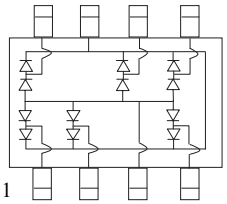
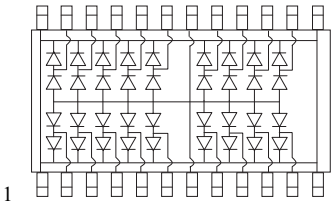
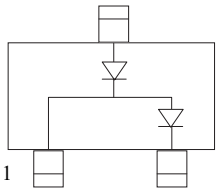
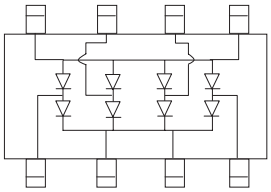
- (16kV) IEC 61000-4-2 capable
- Fast Reverse Recovery Time
- Fast Turn on Time
- Low Capacitance
- SMD Packages



Applications

- Signal Termination
- Signal Conditioning
- ESD Suppression
- Transient Suppression

Schematics

 **CDAAQ20-G 20 pin**	 **CDA2Q20-G 20 pin**	 **CDA3S06-G 6 pin**
 **CDA4S14-G 4 pin**	 **CDA5Q24-G 24 pin**	 **CDA6N08-G 8 pin**
 **CDA7Q24-G 24 pin**	 **CDA8S03-G 3 pin**	 **CDA9N08-G 8 pin**

Steering Diode Arrays - ESD Suppressors

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Absolute Maximum Ratings: (Ta = 25°C)

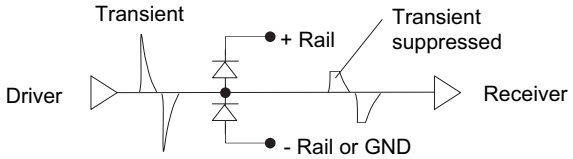
Symbol	Parameter	Value	Units
T_{OP}	Operating temperature	-40 to +85	^{0}C
V_S	Supply voltage (rail to rail)	8	V
I_F	Continuous forward current *	50	mA

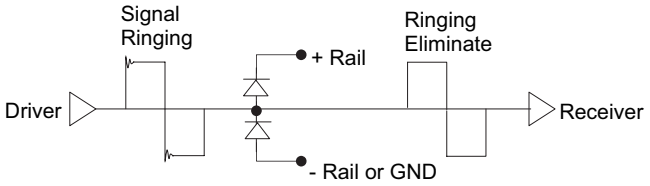
* One diode conducting.

Electrical Ratings: (Ta = 25°C)

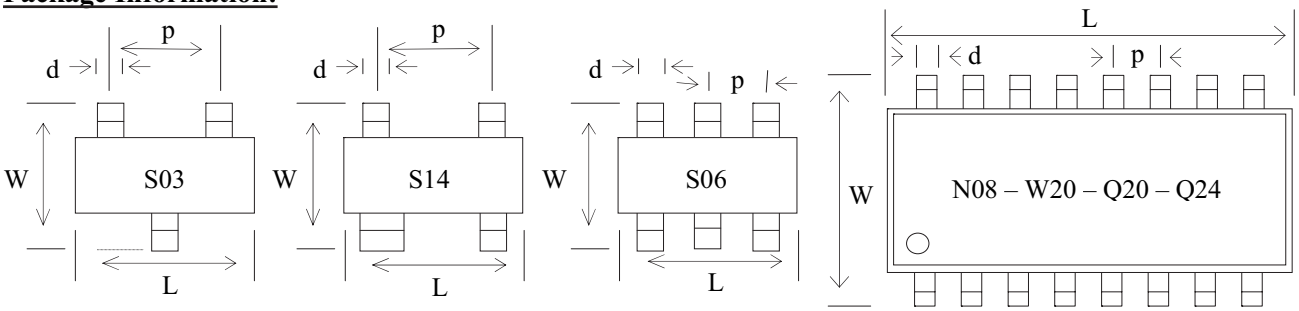
Symbol	Characteristic	Min	Max	Units	Test Condition
V_F	Forward voltage	0.6	0.95	V	I_F = 50 ma
V_R	Reverse breakdown voltage	7.2	-	V	I_R = 1 ma
I_L	Reverse leakage current	± 0.1	± 2.0	uA	7.1v
C_T	Capacitance	1.0	5.0	pF	@ 1Mhz
V_{PV}	Peak ESD voltage capability		16	kV	IEC 61000-4-2

Application: (*ESD Suppression*) (*Signal Conditioning*)





Package Information:



Package Code	Total Power	Number of Pins	L ± 0.2	W ± 0.2	p ± 0.1	Pkg. Height ± 0.2	d ± 0.05
S03	225 mw	3	2.92	2.30	1.91	0.95	0.43
S14	225 mw	4	2.92	2.30	1.91	0.95	0.43
S06	225 mw	6	2.92	2.80	0.95	0.95	0.43
N08	400 mw	8	4.83	5.99	1.27	1.60	0.41
W20	1200mw	20	12.70	10.36	1.27	2.40	0.41
Q20	1000mw	20	8.66	5.99	0.635	1.60	0.25
Q24	1000mw	24	8.66	5.99	0.635	1.60	0.25

Ordering Information:

CDAA	Q20	-G
Type	**Package**	**RoHS Compliant**
CDAA	S03 = 3 pin SOT23	
CDA2	S14 = 4 pin SOT23	
CDA3	S06 = 6 pin SOT23	
CDA4	N08 = 8 pin Narrow SOIC	
CDA5	W20 = 20 pin Wide SOIC	
CDA6	Q20 = 20 pin QSOP	
CDA7	Q24 = 24 pin QSOP	
CDA8		
CDA9		