

CDA2Q20L

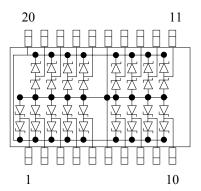
Voltage: 8 Volts Current: 25 mA

Feature

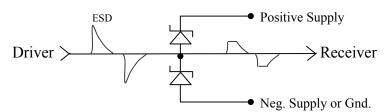
This diode network is designed to provide seventeen channels for active termination of high-speed data signals to eliminate signal undershoot and overshoot. The network has the added benefit of acting to suppress any ESD voltage events by shunting the energy to ground assuring maximum reliability of electronic systems in the field. Trigger levels are defined by the positive and negative bias levels set by the user.

C 0212 CDA2Q20

Package (QSOP-20)



Application



Absolute Maximum Ratings: ($Ta = 25^{\circ}C$)

Symbol	Parameter	Value	Units
T_{OP}	Operating temperature	-40 to +85	$^{0}\mathrm{C}$
V_{S}	Supply voltage (Vp ~ Vn)	8	V
I_{F}	Continuous forward current	25	mA
P_{O}	Total power	1	W

^{*} One diode conducting.

Electrical Ratings: $(Ta = 25^{\circ}C)$

Electrical Ratings: (1a 25 C)						
Symbol	Characteristic	Min	Max	Units	Test Condition	
V_{F}	Forward voltage	0.6	0.95	V	$I_F = 25 \text{ ma}$	
V_R	Reverse breakdown voltage	9.5	11	V	$I_R = 1 \text{ ma}$	
I_{L}	Leakage current	± 0.1	± 2.0	uA	8v	
C_{T}	Capacitance	1.0	5.0	pF	@ 1Mhz	
V_{ESD}	Channel clamp voltage	-	± 10	V	8kV HBM	
V_{PV}	Peak ESD voltage capability		16	kV	HBM	

MDS0903001A Page 1