



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

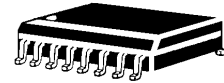
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S16-4148
And
S16-4150
Switching Diode Array



FEATURES

- 8 Isolated lines
- Standard SOIC 16 pin Surface Mount Package
- UL 94V-0 Flammability Classification

MECHANICAL

- Molded SOIC 16 Pin
- Weight: 2.5 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package
- 8 Pin pairs

MAXIMUM RATINGS

- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 mSec)

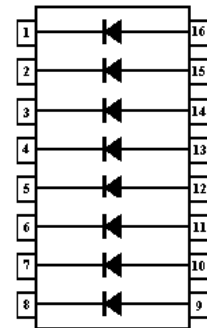
PACKAGING

- Carrier tubes 25 per (standard)

ELECTRICAL CHARACTERISTICS PER LINE

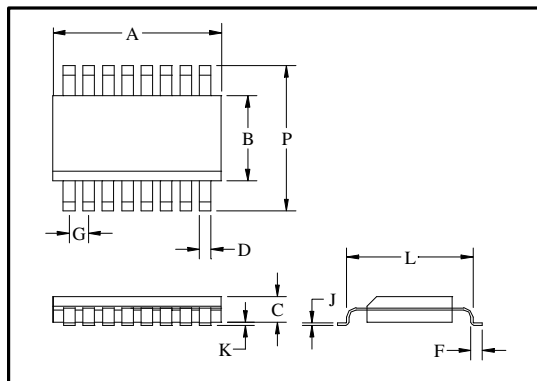
Characteristics @ 25°C Unless otherwise specified

CIRCUIT DIAGRAM



Part Number	Vbr @ Ibr = 100µA V MIN	Ir +25°C		Ir 150°C		CAP @ 0 V pF MAX	trr (nS) MAX
		µA MAX	V @Vr	µA MAX	V @Vr		
S16-4148	100	.025 .100	20 50	50 100	20 50	4.0	5.0
S16-4150	75	.500	75	100	75	2.5	4.0

Part Number	Vf @ If = 1.0mA V		Vf @ If = 10mA V		Vf @ If = 50mA V		Vf @ If = 100mA V		Vf @ If = 200mA V	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
S16-4148	-----	-----	-----	1.00	-----	-----	-----	1.20	-----	-----
S16-4150	0.54	0.62	0.66	0.74	0.76	0.86	0.82	0.92	0.87	1.00



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.358	0.398	9.09	10.10
B	0.150	0.158	3.81	4.01
C	0.053	0.069	1.35	1.75
D	0.011	0.021	0.28	0.53
F	0.016	0.050	0.41	1.27
G	0.050 BSC		1.27 BSC	
J	0.006	0.010	0.15	0.25
K	0.004	0.010	0.10	0.20
L	0.189	0.206	4.80	5.23
P	0.228	0.244	5.79	6.19