



8700 E. Thomas Road
 Scottsdale, AZ 85251
 (480) 941-6300

S24-4148CC
 And
S24-4150CC
 Switching Diode Array



FEATURES

- 18 isolated lines, 6 common
- Standard 24 pin Surface Mount Package
- UL 94V-0 Flammability Classification

MECHANICAL

- Molded 24 Pin Array
- Weight: 2.5 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package
- 18 line, 6 common

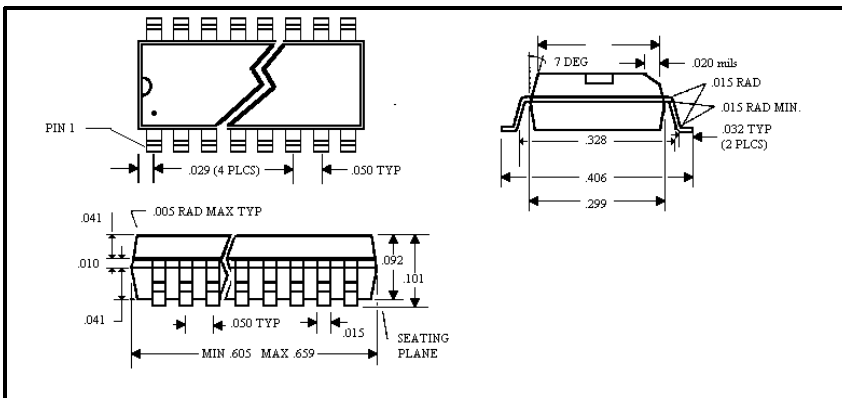
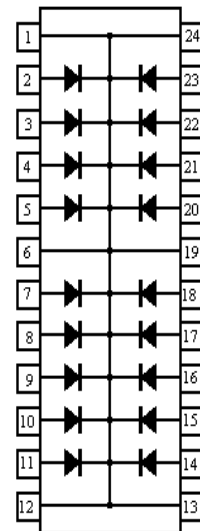
MAXIMUM RATINGS

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

PACKAGING

- Carrier tubes 25 per (standard)

**CIRCUIT DIAGRAM
 COMMON CATHODE**



ELECTRICAL CHARACTERISTICS PER LINE

Characteristics @ 25^oC Unless otherwise specified

Part Number	V _{br} @ I _{br} = 100μA V MIN		I _r +25°C μA MAX		I _r 150°C μA MAX		CAP @ 0 V pF MAX	t _{rr} (nS) MAX
				V @ V _r		V @ V _r		
S24-4148CC	100		.025 .100	20 50	50 100	20 50	4.0	5.0
S24-4150CC	75		.500	75	100	75	2.5	4.0

Part Number	V _f @ I _f = 1.0mA V MIN		V _f @ I _f = 10mA V MIN		V _f @ I _f = 50mA V MIN		V _f @ I _f = 100mA V MIN		V _f @ I _f = 200mA V MIN	
		MAX		MAX		MAX		MAX		MAX
S24-4148CC	----	----	----	1.00	----	----	----	1.20	----	----
S24-4150CC	0.54	0.62	0.66	0.74	0.76	0.86	0.82	0.92	0.87	1.00