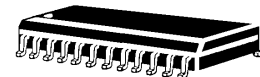




8700 E. Thomas Road  
Scottsdale, AZ 85251  
(480) 941-6300

## 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

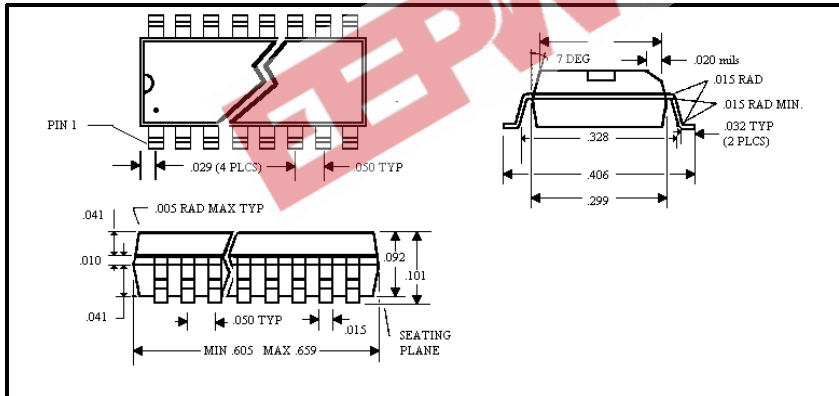
- Molded 24 Pin Array
- Weight: 2.5 grams (approximate)
- Marking: Logo, device number, date code
- Pin #1 defined by DOT on top of package
- 18 line, 6 common

### MAXIMUM RATINGS

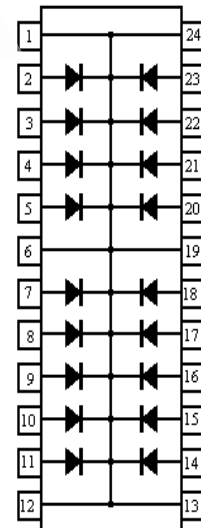
- Operating Temperatures: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Forward Surge Current: 2.0Amps (8.3 mSec)

### PACKAGING

- Carrier tubes 25 per (standard)



### CIRCUIT DIAGRAM COMMON CATHODE



### ELECTRICAL CHARACTERISTICS PER LINE

Characteristics @ 25°C Unless otherwise specified

| Part Number | V <sub>br</sub><br>@ I <sub>br</sub> = 100μA<br>V<br>MIN |  | I <sub>r</sub><br>+25°C<br>μA<br>MAX |                       | I <sub>r</sub><br>150°C<br>μA<br>MAX |                       | CAP<br>@ 0 V<br>pF<br>MAX | t <sub>rr</sub><br>(nS)<br>MAX |
|-------------|--|--|--------------------------------------|-----------------------|--------------------------------------|-----------------------|---------------------------|--------------------------------|
|             |  |  |                                      | V<br>@ V <sub>r</sub> |                                      | V<br>@ V <sub>r</sub> |                           |                                |
| S24-4148CC  | 100  |  | .025                                 | 20                    | 50                                   | 20                    | 4.0                       | 5.0                            |
| S24-4150CC  | 75   |  | .500                                 | 75                    | 100                                  | 75                    | 2.5                       | 4.0                            |

| Part Number | V <sub>f</sub><br>@ I <sub>f</sub> = 1.0mA<br>V<br>MIN |       | V <sub>f</sub><br>@ I <sub>f</sub> = 10mA<br>V<br>MIN |      | V <sub>f</sub><br>@ I <sub>f</sub> = 50mA<br>V<br>MIN |       | V <sub>f</sub><br>@ I <sub>f</sub> = 100mA<br>V<br>MIN |      | V <sub>f</sub><br>@ I <sub>f</sub> = 200mA<br>V<br>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  |