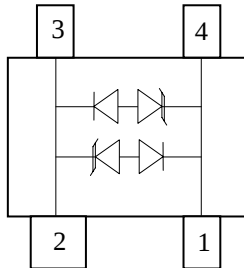


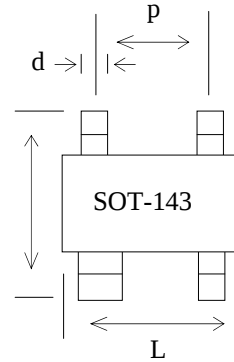
## CLC Series -G (RoHS Device)

### Schematics:



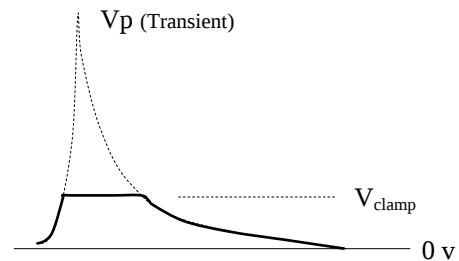
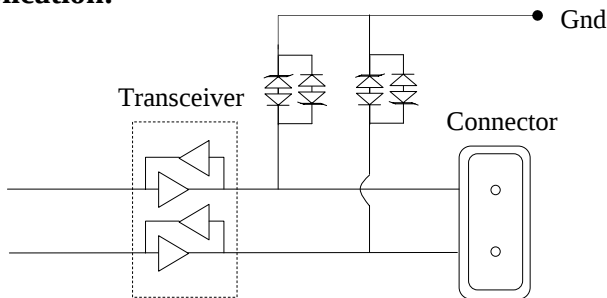
Dimensions in ( mm ):

### Package:



| Package Code | Total Power | Number of Pins | $L \pm 0.2$ | $W \pm 0.2$ | $p \pm 0.1$ | $e \pm 0.1$ | Pkg. Height $\pm 0.2$ | $d \pm 0.1$ | c (ref.) |
|--------------|-------------|----------------|-------------|-------------|-------------|-------------|-----------------------|-------------|----------|
| S14          | 225 mw      | 4              | 2.92        | 2.30        | 1.91        | - -         | 0.95                  | 0.43        | .038     |

### Application:



### Specifications: ( Ta = 25°C )

#### 5V0 Characteristic

| Symbol     | Characteristic              | Min | Typ  | Max   | Units              | Test Condition       |
|------------|-----------------------------|-----|------|-------|--------------------|----------------------|
| $V_{BD}$   | Diode breakdown voltage     | 6.0 | -    | 11    | V                  | $I_F = 1 \text{ ma}$ |
| $I_L$      | Leakage current             |     | +0.1 | + 2.0 | uA                 | 5v                   |
| $C_T$      | Capacitance                 |     | 5    |       | pF                 | @ 1Mhz               |
| $V_{ESD}$  | Channel clamp voltage       |     |      | + 13  | V                  | 16kV event           |
| $V_{PV}$   | Peak ESD voltage capability |     |      | 16    | kV                 | IEC 61000-4-2        |
| $I_{pp}^*$ | Peak Pulse Current          |     |      | 5.1   | A                  | 8 / 20 us            |
| $T_o$      | Operating Temp. Range       | -55 |      | +155  | $^{\circ}\text{C}$ |                      |

\* one diode conducting

### Ordering Information:

|            |              |            |                 |
|------------|--------------|------------|-----------------|
| <b>CLC</b> | <b>S14</b>   | <b>5V0</b> | <b>-G</b>       |
| Type       | Package Code | Voltage    | RoHS Compliance |
| CLC        | S14 – SOT143 | 5V0        | -G              |

- 3,000 units per reel

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