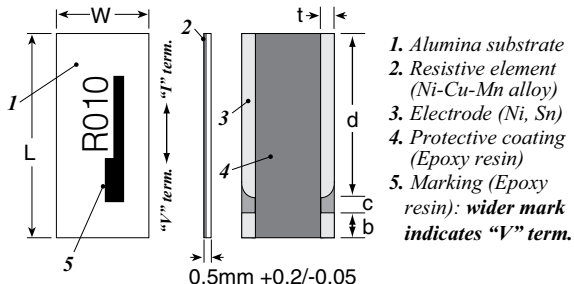




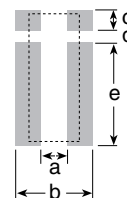
# FC4L Series

## FC4L Four Terminal Current Sense Metal Foil Construction

### DIMENSIONS



### Land Pattern



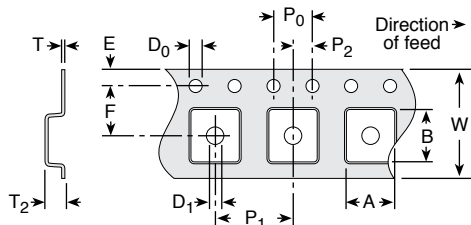
| Rating  | L         | W<br>(in.±.008/mm ±0.20) | t           | b<br>mm ±0.15 | c<br>mm ±0.1 | d<br>mm ±0.15 |
|---------|-----------|--------------------------|-------------|---------------|--------------|---------------|
| FC4L16  | 0.25 watt | 0.063 / 1.60             | 0.031 / 0.8 | 0.010 / 0.26  | 0.30 ±2      | 0.3 ±2        |
| FC4L32  | 1 watt    | 0.126 / 3.20             | 0.063 / 1.6 | 0.014 / 0.35  | 0.35         | 0.2           |
| FC4L64  | 2 watt    | 0.251 / 6.40             | 0.126 / 3.2 | 0.020 / 0.5   | 0.7          | 0.5           |
| FC4L110 | 5 watt    | 0.433 / 11.0             | 0.197 / 5.0 | 0.028 / 0.7   | 1.4          | 1.1           |

| (mm)    | a    | b   | c    | d    | e   |
|---------|------|-----|------|------|-----|
| FC4L16  | 0.25 | 1.2 | 0.40 | 0.30 | ??? |
| FC4L32  | 0.4  | 2.7 | 0.35 | 0.3  | 2.7 |
| FC4L64  | 2.0  | 4.4 | 0.7  | 0.5  | 5.4 |
| FC4L110 | 3.2  | 5.6 | 1.6  | 1.1  | 8.7 |

### PACKAGING SPECIFICATIONS

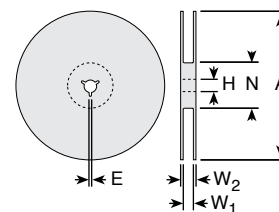
#### Tape

inches (mm)



|    | FC4L16               | FC4L32               | FC4L64              | FC4L110             |
|----|----------------------|----------------------|---------------------|---------------------|
| A  | 0.037 (0.95±0.05)    | 0.075 (1.90 ±0.1)    | 0.135 (3.43 ±0.2)   | 0.213 (5.40 ±0.10)  |
| B  | 0.073 (1.85±0.05)    | 0.138 (3.50 ±0.1)    | 0.261 (6.63 ±0.2)   | 0.453 (11.50 ±0.10) |
| W  | 0.315 (8.00±0.10)    | 0.315 (8.00 ±0.2)    | 0.472 (12.0 ±0.3)   | 0.945 (24.00 ±0.30) |
| F  | 0.138 (3.50±0.05)    | 0.138 (3.50 ±0.05)   | 0.069 (1.75 ±0.1)   | 0.069 (1.75 ±0.10)  |
| E  | 0.069 (1.75±0.10)    | 0.069 (1.75 ±0.1)    | 0.217 (5.5 ±0.05)   | 0.453 (11.50 ±0.10) |
| P0 | 0.157 (4.00±0.10)    | 0.157 (4.0 ±0.1)     | 0.157 (4.0 ±0.1)    | 0.157 (4.00 ±0.10)  |
| P1 | 0.157 (4.00±0.10)    | 0.157 (4.0 ±0.1)     | 0.157 (4.0 ±0.1)    | 0.315 (8.00 ±0.10)  |
| P2 | 0.079 (2.00±0.05)    | 0.079 (2.0 ±0.05)    | 0.079 (2.0 ±0.05)   | 0.079 (2.00 ±0.10)  |
| D0 | 0.059 (1.50±0.10/-0) | 0.059 (1.50 +0.1/-0) | 0.059 (1.5 +0.1/-0) | 0.059 (1.50 ±0.10)  |
| D1 | 0.024 (0.60±0.05)    | 0.039 (1.00 +0.2/-0) | 0.059 (1.5 +0.2/-0) | 0.059 (1.50 ±0.10)  |
| T  | 0.008 (0.20±0.05)    | 0.008 (0.20 ±0.05)   | 0.008 (0.20 ±0.05)  | 0.012 (0.30 ±0.05)  |
| T2 | 0.022 (0.55±0.05)    | 0.039 (1.00 ±0.2)    | 0.059 (1.5) max.    | 0.047 (1.2 ±0.15)   |

#### Reel



|    | FC4L16            | FC4L32 & 64       | FC4L110           |
|----|-------------------|-------------------|-------------------|
| A  | 7.087 (180 +0/-3) | 7.087 (180 +0/-3) | 12.992 (330 ±2.0) |
| H  | 0.512 (13 ±0.2)   | 0.512 (13 ±0.2)   | 0.512 (13 ±0.2)   |
| E  | 0.079 (2.0 ±0.5)  | 0.079 (2.0 ±0.5)  | 0.079 (2.0 ±0.5)  |
| N  | 2.362 (60 +1/-0)  | 2.362 (60 +1/-0)  | 3.937 (100 ±1.0)  |
| W1 | 0.354 (9.0 ±0.3)  | 0.512 (13.0 ±0.3) | 1.000 (25.4 ±1.0) |
| W2 | 0.512 (13.0 ±0.3) | 0.669 (17.0 ±1.4) | 1.157 (29.4 ±1.0) |

### ORDERING INFORMATION

RoHS Compliant

**FC4L110R005FER**

Series: FC4L110R005FER  
 Package Size: 110=11050=5W, 64=6432=2W  
 Ohms: R005=0.005Ω, R050=0.050Ω  
 Tolerance: J = 5%, G = 2%, F = 1%  
 Taping Code: R = 1,000 pc/reel

#### Standard Part Numbers for FC4L series

| 1 watt        | 2 watt        | 5 watt         | Resistance Value | Tolerance |
|---------------|---------------|----------------|------------------|-----------|
| FC4L32R001JER | FC4L64R001JER | FC4L110R001JER | 0.001            | 5%        |
| FC4L32R002GER | FC4L64R002GER | FC4L110R002GER | 0.002            | 2%        |
| FC4L32R003FER | FC4L64R003FER | FC4L110R003FER | 0.003            | 1%        |
| FC4L32R005FER | FC4L64R005FER | FC4L110R005FER | 0.005            | 1%        |
| FC4L32R010FER | FC4L64R010FER | FC4L110R010FER | 0.01             | 1%        |
| FC4L32R025FER | FC4L64R025FER | FC4L110R025FER | 0.025            | 1%        |
| FC4L32R050FER | FC4L64R050FER | FC4L110R050FER | 0.05             | 1%        |