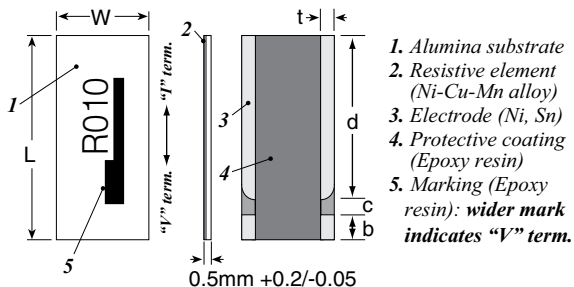


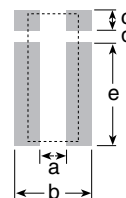
FC4L Series

FC4L Four Terminal Current Sense Metal Foil Construction

DIMENSIONS



Land Pattern



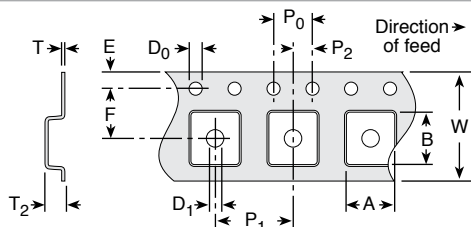
| | Rating | L (in. ±0.008/mm ±0.20) | W (in./mm) | t (in./mm) | b mm ±0.15 | c mm ±0.1 | d mm ±0.15 |
|---------|-----------|----------------------------|---------------|---------------|---------------|--------------|---------------|
| FC4L16 | 0.25 watt | 0.063 / 1.60 | 0.031 / 0.8 | 0.010 / 0.26 | 0.30 ±2 | 0.3 ±2 | 1.0 ±2 |
| FC4L32 | 1 watt | 0.126 / 3.20 | 0.063 / 1.6 | 0.014 / 0.35 | 0.35 | 0.2 | 2.6 |
| FC4L64 | 2 watt | 0.251 / 6.40 | 0.126 / 3.2 | 0.020 / 0.5 | 0.7 | 0.5 | 5.2 |
| FC4L110 | 5 watt | 0.433 / 11.0 | 0.197 / 5.0 | 0.028 / 0.7 | 1.4 | 1.1 | 8.5 |

| (mm) | a | b | c | d | e |
|---------|------|-----|------|------|-----|
| FC4L16 | 0.25 | 1.2 | 0.40 | 0.30 | 1.2 |
| 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 |

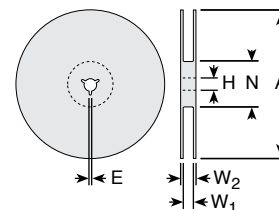
PACKAGING SPECIFICATIONS

Tape

inches (mm)



Reel



| | 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) |

| | FC4L16 | FC4L32 & 64 | FC4L110 |
|----|-------------------|-------------------|-------------------|
| A | 7.087 (180 +0/-3) | 7.087 (180 +0/-3) | 7.087 (180 ±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) | 0.827 (21 ±0.8) |
| 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

Ohms
R005=0.005Ω
R050=0.050Ω

RoHS Compliant

FC4L110R005FER

| Series | TCR* (ppm) | Package Size | Tolerance | Taping Code |
|---------------------|-----------------------------|--------------------|---------------|-----------------------|
| W = 25 | 110=11050=5W | J = 5% | 1,000 pc/reel | FC4L16: 5,000 pc/reel |
| V = 50 | 64=6432=2W | G = 2% | | |
| L = per chart above | 32=3216=1W 16=1608=0.25W | F = 1% D = 0.5% | | |

*FC4L32 and FC4L64 values over 0.100Ω only

Standard Part Numbers for FC4L series

| | 0.25 watt | 1 watt | 2 watt | 5 watt |
|---------------|--|--|--|--|
| FC4L16R005FER | FC4L32R001JER FC4L32R002GER FC4L32R003FER FC4L32R005FER | FC4L64R001JER FC4L64R002GER FC4L64R003FER FC4L64R005FER | FC4L110R001JER FC4L110R002GER FC4L110R003FER FC4L110R005FER | FC4L110R010DER FC4L110R010FER FC4L110R015DER FC4L110R015FER |
| FC4L16R010FER | FC4L32R010FER | FC4L64R010FER FC4L64R015DER FC4L64R015FER | FC4L110R020DER FC4L110R020FER FC4L110R025DER FC4L110R025FER | FC4L110R030DER FC4L110R030FER FC4L110R050DER FC4L110R050FER |
| FC4L16R015FER | FC4L32R015FER | FC4L64R020FER FC4L64R025DER FC4L64R025FER | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |
| FC4L16R020FER | FC4L32R020FER | FC4L64R030DER FC4L64R030FER FC4L64R050DER FC4L64R050FER | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |
| FC4L16R025FER | FC4L32R025FER | FC4L64R100FER | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |
| FC4L16R030FER | FC4L32R030FER | | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |
| FC4L16R050FER | FC4L32R050FER | | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |
| FC4L16R100FER | FC4L32R100FER | | FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER | FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER |

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