

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

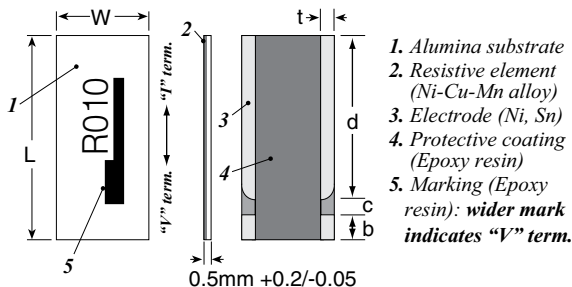
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

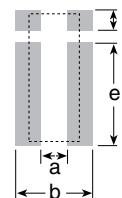
FC4L Series

FC4L Four Terminal Current Sense Metal Foil Construction

DIMENSIONS



Land Pattern



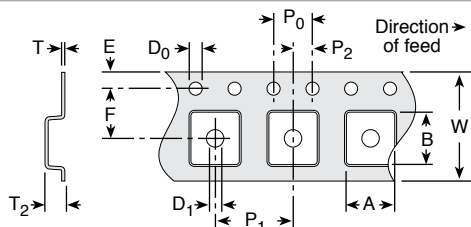
	Rating	L (in. ±0.008/mm ±0.20)	W (in./mm)	t (in./mm)	b mm ±0.15	c mm ±0.1	d mm ±0.15
FC4L16	0.25 watt	0.063 / 1.60	0.031 / 0.8	0.010 / 0.26	0.30 ±2	0.3 ±2	1.0 ±2
FC4L32	1 watt	0.126 / 3.20	0.063 / 1.6	0.014 / 0.35	0.35	0.2	2.6
FC4L64	2 watt	0.251 / 6.40	0.126 / 3.2	0.020 / 0.5	0.7	0.5	5.2
FC4L110	5 watt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

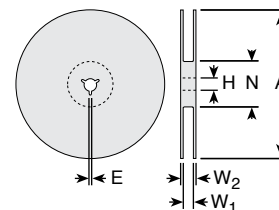
PACKAGING SPECIFICATIONS

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	FC4L110R020FER FC4L110R025DER FC4L110R025FER FC4L110R030DER	FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER
FC4L16R025FER	FC4L32R025FER	FC4L64R100FER	FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER	FC4L110R030FER FC4L110R050DER FC4L110R050FER FC4L110R100FER
FC4L16R030FER	FC4L32R030FER			
FC4L16R050FER	FC4L32R050FER			
FC4L16R100FER	FC4L32R100FER			