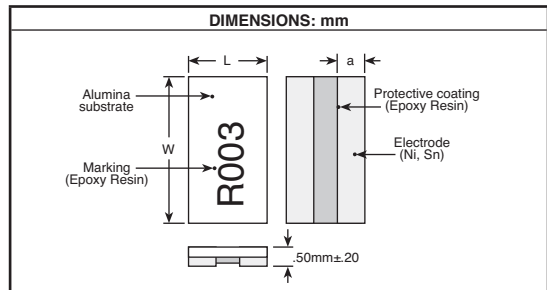


OHMITE Current Sense Resistors



RoHS Compliant This product is RoHS compliant.

OHMITE FCSL SERIES METAL FOIL CURRENT SENSE RESISTORS



Features:

- Foil Construction ensures a very stable TCR
- Designed for automatic insertion
- High heat resistant use
- Low heat electromotive use

Specifications:

- Temperature range: -55°C to 155°C
- Max temperature for rated power: 70°C



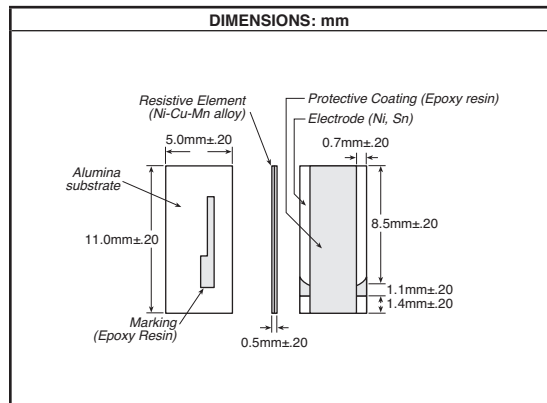
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each				
				1	50	100	500	1000
2 Watt								
588-FCSL64R010FER	FCSL64R010FER	0.01	1%	.75	.67	.60	.48	.43
588-FCSL64R025FER	FCSL64R025FER	0.025	1%	.75	.67	.60	.48	.43
588-FCSL64R050FER	FCSL64R050FER	0.05	1%	.75	.67	.60	.48	.43
588-FCSL64R002GER	FCSL64R002GER	0.002	2%	.75	.67	.60	.48	.43
588-FCSL64R001JER	FCSL64R001JER	0.001	5%	.75	.67	.60	.48	.43
3 Watt								
588-FCSL76R010FER	FCSL76R010FER	0.01	1%	.95	.85	.75	.60	.54
588-FCSL76R025FER	FCSL76R025FER	0.025	1%	.95	.85	.75	.60	.54
588-FCSL76R050FER	FCSL76R050FER	0.05	1%	.95	.85	.75	.60	.54
588-FCSL76R002GER	FCSL76R002GER	0.002	2%	.95	.85	.75	.60	.54
588-FCSL76R001JER	FCSL76R001JER	0.001	5%	.95	.85	.75	.60	.54
4 Watt								
588-FCSL90R010FER	FCSL90R010FER	0.01	1%	1.20	1.07	.95	.76	.68
588-FCSL90R025FER	FCSL90R025FER	0.025	1%	1.20	1.07	.95	.76	.68
588-FCSL90R050FER	FCSL90R050FER	0.05	1%	1.20	1.07	.95	.76	.68
588-FCSL90R002GER	FCSL90R002GER	0.002	2%	1.20	1.07	.95	.76	.68
588-FCSL90R001JER	FCSL90R001JER	0.001	5%	1.20	1.07	.95	.76	.68
5 Watt								
588-FCSL110R001JER	FCSL110R001JER	0.001	5%	1.78	1.58	1.41	1.12	1.05
588-FCSL110R002GER	FCSL110R002GER	0.002	2%	1.78	1.58	1.41	1.12	1.05
588-FCSL110R005FER	FCSL110R005FER	0.005	1%	1.78	1.58	1.41	1.12	1.05
588-FCSL110R010FER	FCSL110R010FER	0.010	1%	1.78	1.58	1.41	1.12	1.05
588-FCSL110R025FER	FCSL110R025FER	0.025	1%	1.78	1.58	1.41	1.12	1.05
588-FCSL110R050FER	FCSL110R050FER	0.050	1%	1.78	1.58	1.41	1.12	1.05

Series	Resistance Range	Tol.	TCR (ppm/°C)	Dim: (in.±0.008/mm±0.20)		
				L	W	a
FCSL64	1mΩ	±5%	±150	0.122/3.1	0.248/6.3	0.047/1.2
	2mΩ	±2%	±100			0.020/0.5
	3mΩ ~ 50mΩ	±1%	±50			0.020/0.5
						0.024/0.6
FCSL76	1mΩ	±5%	±150	0.15/3.8	0.3/7.6	0.053/1.35
	2mΩ	±2%	±100			0.024/0.6
	3mΩ ~ 50mΩ	±1%	±50			0.024/0.6
						0.028/0.7
FCSL90	1mΩ	±5%	±150	0.177/4.5	0.35/8.9	0.063/1.6
	2mΩ	±2%	±100			0.028/0.7
	3mΩ ~ 50mΩ	±1%	±50			0.028/0.7
						0.031/0.8
FCSL110	1mΩ	±5%	±150	0.197/5.0	0.43/11.0	0.071/1.8
	2mΩ	±2%	±100			0.031/0.8
	3mΩ ~ 100mΩ	±1%	±50			0.031/0.8
						0.031/0.8

OHMITE FC4L SERIES FOUR TERMINAL CURRENT SENSE METAL FOIL RESISTORS



Features:

- Foil Construction ensures a very stable TCR (Temperature Coefficient of Resistance)
- Designed for automatic insertion
- Industry standard sizes

- High heat resistant use
- Low heat electromotive use
- Color: white (top) and green (bottom)

Specifications:

- Power Rating: 2W and 5W
- Temperature range: -55°C to 155°C
- Max. temperature for rated power: 70°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each				
				1	50	100	500	1000
2 Watt								
588-FC4L64R001JER	FC4L64R001JER	0.001	5%	.95	.839	.785	.731	.721
588-FC4L64R002GER	FC4L64R002GER	0.002	2%	.95	.839	.785	.731	.721
588-FC4L64R005FER	FC4L64R005FER	0.005	1%	.95	.839	.785	.731	.721
588-FC4L64R010FER	FC4L64R010FER	0.01	1%	.95	.839	.785	.731	.721
588-FC4L64R025FER	FC4L64R025FER	0.025	1%	.95	.839	.785	.731	.721
588-FC4L64R050FER	FC4L64R050FER	0.05	1%	.95	.839	.785	.731	.721
5 Watt								
588-FC4L110R001JER	FC4L110R001JER	0.001	5%	1.93	1.71	1.60	1.49	1.47
588-FC4L110R002GER	FC4L110R002GER	0.002	2%	1.93	1.71	1.60	1.49	1.47
588-FC4L110R005FER	FC4L110R005FER	0.005	1%	1.93	1.71	1.60	1.49	1.47
588-FC4L110R010FER	FC4L110R010FER	0.01	1%	1.93	1.71	1.60	1.49	1.47
588-FC4L110R025FER	FC4L110R025FER	0.025	1%	1.93	1.71	1.60	1.49	1.47
588-FC4L110R050FER	FC4L110R050FER	0.05	1%	1.93	1.71	1.60	1.49	1.47

OHMITE MCS SERIES METAL ELEMENT CURRENT SENSE RESISTORS

Features:

- NiCu or MnCu resistive alloy; material TCR ±10ppm/°K
- Marking epoxy UL-94-V0 conformal
- 96% alumina substrate thermo dissipation protective layer
- Superior temperature coefficient characteristics; resistance vs. temp change from 25°C to 125°C within 10ppm/°C ~ 50ppm/°C
- Low inductance, low thermo EMF (<50µV/°C)

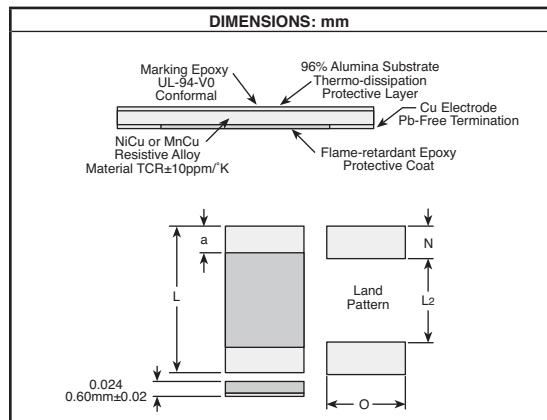


RoHS Compliant

Applications:

- Industrial/power electronics: power supply, DC/DC converter, AC/DC converter, motor controller, automotive electronics
- Battery charger, PC, PDA, 3C products, telecommunications, instruments, white goods

Size	L	W	a	N	L2	O	Solder Thickness (µm/w)
MCS1632	0.126/3.20	0.063/1.60	0.020/0.50	0.059/1.50	0.039/1.00	0.079/2.00	35/0.5, 105/1.0
MCS3264	0.252/6.40	0.126/3.20	0.040/1.00	0.079/2.00	0.165/4.20	0.150/3.80	35/1.0, 105/2.0



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each					Reel Qty.	Price Per Piece
				1	50	100	500	1000		
1 Watt										
588-MCS1632R005FER	MCS1632R005FER	0.005	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R010FER	MCS1632R010FER	0.01	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R015FER	MCS1632R015FER	0.015	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R020FER	MCS1632R020FER	0.02	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R025FER	MCS1632R025FER	0.025	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R030FER	MCS1632R030FER	0.03	1%	.35	.31	.28	.22	.21	500	.20
588-MCS1632R050FER	MCS1632R050FER	0.05	1%	.35	.31	.28	.22	.21	500	.20
2 Watt										
588-MCS3264R005FER	MCS3264R005FER	0.005	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R010FER	MCS3264R010FER	0.01	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R015FER	MCS3264R015FER	0.015	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R020FER	MCS3264R020FER	0.02	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R025FER	MCS3264R025FER	0.025	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R030FER	MCS3264R030FER	0.03	1%	.40	.36	.32	.30	.28	400	.26
588-MCS3264R050FER	MCS3264R050FER	0.05	1%	.40	.36	.32	.30	.28	400	.26