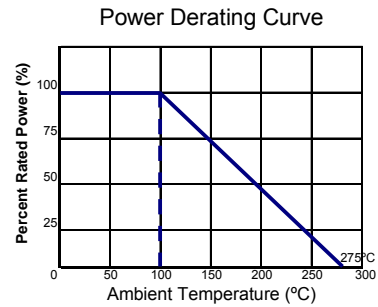
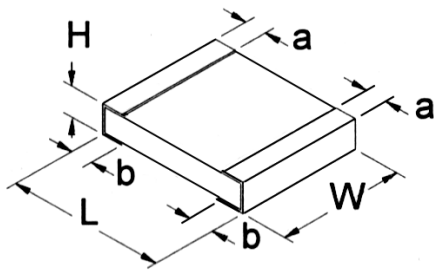


- Features:
- High power metal alloy current sense resistor
 - Very low inductance (0.5nH to 5nH)
 - High temperature performance: up to 275°C
 - Excellent frequency response
 - Low thermal EMF (<1µV/C)
 - Proprietary processing technique produces extremely low resistance values
 - RoHS compliant / lead-free



Electrical Specifications					
Type / Code	Package Type	Power Rating (Watts) @ 100°C	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
				0.5%	1%, 5%
CSS 1206	1206	1W	±50 ppm/°C ±25 ppm/°C ±15 ppm/°C	- 0.007 - 0.015 0.0151 - 0.050	0.001 - 0.004 0.0041 - 0.0150 0.0151 - 0.050
CSS 2010	2010	1W	±50 ppm/°C ±25 ppm/°C ±15 ppm/°C	- 0.003 - 0.0069 0.007 - 0.1	0.001 - 0.003 0.0031 - 0.0069 0.007 - 0.1
CSS 2512	2512	2W	±50 ppm/°C ±25 ppm/°C ±15 ppm/°C	- - 0.007 - 0.075	0.0005 - 0.003 0.0031 - 0.0069 0.007 - 0.075
CSSH 2512	2512	3W	±50 ppm/°C ±25 ppm/°C	0.007 - 0.01	0.0005 - 0.002 0.0021 - 0.01
CSS 2725	2725	4W	±50 ppm/°C ±25 ppm/°C	- -	0.00025 - 0.0009 0.001 - 0.003
CSS 2728	2728	3W	±25 ppm/°C ±15 ppm/°C	0.004 - 0.007 0.0071 - 0.1	0.004 - 0.007 0.0071 - 0.1
CSSH 2728	2728	4W	±25 ppm/°C ±15 ppm/°C	0.004 - 0.007 0.008 - 0.05	0.004 - 0.007 0.008 - 0.05

How to Order								
SEI Type		Code		Nominal Resistance	Tolerance	Packaging		
CSS		2725		0.003	1%	R		
Type	Description	Code	Wattage	Size	Tolerance	SEI Types	Quantity	Description
CSS	Metal Alloy	1206	1W	1206	0.5%	CSS 1206	4,000	7" - Embossed Plastic
CSSH	High Power	2010	1W	2010	1%	CSS 2010	2,000	
		2512	2W	2512	5%	CSS 2512		
		(H) 2512	3W	2512		CSSH 2512		
		2725	4W	2725		CSS 2725	1,000	
		2728	3W	2728		CSS 2728		
		(H) 2728	4W	2728		CSSH 2728		



Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Units
CSS 1206	3.048 ± 0.254	1.575 ± 0.254	0.645 ± 0.254	0.508 ± 0.254	0.508 ± 0.254	mm
CSS 2010 (≤3mΩ)	5.080 ± 0.254	2.540 ± 0.254	0.787 ± 0.254	1.295 ± 0.254	1.295 ± 0.254	mm
CSS 2010 (>3mΩ)	5.080 ± 0.254	2.540 ± 0.254	0.645 ± 0.254	0.787 ± 0.254	0.787 ± 0.254	mm
CSS 2512 (≤4mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.787 ± 0.254	1.880 ± 0.254	1.880 ± 0.254	mm
CSS 2512 (≥5mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.645 ± 0.254	1.120 ± 0.254	1.120 ± 0.254	mm
CSSH 2512 (0.5mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.787 ± 0.254	1.880 ± 0.254	1.880 ± 0.254	mm
CSSH 2512 (0.6 - 2.9mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.787 ± 0.254	1.180 ± 0.254	1.180 ± 0.254	mm
CSSH 2512 (3 - 4mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.787 ± 0.254	1.676 ± 0.254	1.676 ± 0.254	mm
CSSH 2512 (4.1 - 10mΩ)	6.250 ± 0.254	3.300 ± 0.254	0.787 ± 0.254	1.180 ± 0.254	1.180 ± 0.254	mm
CSS 2725 (0.25 - 0.50mΩ)	6.800 ± 0.254	6.700 ± 0.254	0.991 ± 0.254	2.160 ± 0.254	2.160 ± 0.254	mm
CSS 2725 (1mΩ)	6.800 ± 0.254	6.700 ± 0.254	1.092 ± 0.254	2.160 ± 0.254	2.160 ± 0.254	mm
CSS 2725 (1.5mΩ)	6.800 ± 0.254	6.700 ± 0.254	0.991 ± 0.254	2.160 ± 0.254	2.160 ± 0.254	mm
CSS 2725 (2mΩ)	6.800 ± 0.254	6.700 ± 0.254	0.889 ± 0.254	1.800 ± 0.254	1.800 ± 0.254	mm
CSS 2725 (2.5mΩ)	6.800 ± 0.254	6.700 ± 0.254	0.889 ± 0.254	1.650 ± 0.254	1.650 ± 0.254	mm
CSS 2725 (3mΩ)	6.800 ± 0.254	6.700 ± 0.254	0.889 ± 0.254	1.300 ± 0.254	1.300 ± 0.254	mm
CSS 2728	6.706 ± 0.254	7.188 ± 0.254	0.991 ± 0.254	1.143 ± 0.254	1.143 ± 0.254	mm
CSSH 2728	6.706 ± 0.254	7.188 ± 0.254	0.991 ± 0.254	1.143 ± 0.254	1.143 ± 0.254	mm

Performance Characteristics			
Test	Test Method	Test Specification	Typical
Load Life	MIL-STD-502F-Method 108A RCWV at 70°C; 1.5hrs ON; 0.5hrs OFF Total 1024 ± 24hrs	± 1%	≤ 0.75%
Resistance to Soldering Heat	MIL-STD-202F-Method 210E 260 ± 5°C for 10 ± 1sec	± 1%	≤ 0.75%
Solderability	MIL-STD-202F-Method 208H 245 ± 5°C for 2 ± 0.5sec	minimum 95% coverage	> 95%
Thermal Shock	MIL-STD-202F-Method 107G -55°C to 150°C, 100 cycles	± 1%	≤ 0.75%
Short Time Overload	JIS-C-5201-1 4.13 3 - 5x rated power for 5 sec	± 1%	≤ 0.75%
Temperature Cycling	JIS-C-5201-1 4.19 -55°C: 30 min. 25°C: 2 to 3 min. 155°C: 30min. 25°C: 2 to 3 min.	± 1%	≤ 0.75%
Moisture Resistance	MIL-STD-202F-Method 106G	± 1%	≤ 0.75%
Insulation Resistance	MIL-STD-202F-Method 302 Apply 100Vdc for 1 minute	1MΩ minimum	≥ 1MΩ
Leach Resistance	-	90 seconds minimum	≥ 90 seconds

Operating Temperature Range: -65°C to +275°C