

# VISHAY / DALE 1% Power Metal Strip® Resistors - 1/8, 1/4, 1/2, 1, 2 Watt



## WSL SERIES, LOW VALUE, SURFACE MOUNT

### Features:

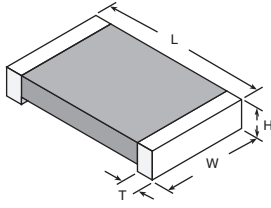
- Ideal for all types of current sensing, voltage division and pulse applications including switching and linear power supplies, instruments, and power amplifiers.
- Solid metal Nickel-Chrome or Manganese-Copper alloy resistive element with low TCR (<20ppm/°C)
- Solderable terminations
- Very low inductance 0.5nH to 5nH
- Low thermal EMF



LEAD-FREE



RoHS Compliant



DIMENSIONS: in. (mm)

Series Type	Resistance Range (Ω)	Dimensions: in. (mm)			
		L	W	H	T
WSL0603	1.015 - 0.1	0.060±0.010 (1.52±0.254)	0.030±0.010 (0.76±0.254)	0.013±0.005 (0.330±0.127)	0.015±0.010 (0.381±0.254)
WSL0805	0.01 - 0.2	0.050±0.010 (2.03±0.254)	0.050±0.010 (1.27±0.254)	0.013±0.005 (0.330±0.127)	0.015±0.010 (0.381±0.254)
WSL1206	0.002 - 0.2	0.126±0.010 (3.20±0.254)	0.063±0.010 (1.60±0.254)	0.025±0.010 (0.635±0.254)	0.020±0.010 (0.508±0.254)
WSL2010	0.001 - 0.0069	0.200±0.010 (5.08±0.254)	0.100±0.010 (2.54±0.254)	0.025±0.010 (0.635±0.254)	0.058±0.010 (1.47±0.254)
	0.007 - 0.05	0.200±0.010 (5.08±0.254)	0.100±0.010 (2.54±0.254)	0.025±0.010 (0.635±0.254)	0.020±0.010 (0.508±0.254)
WSL2512	0.001 - 0.0049	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.087±0.010 (2.21±0.254)
	0.005 - 0.0069	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.047±0.010 (1.19±0.254)
	0.007 - 0.5	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.030±0.010 (0.762±0.254)
WSL2816	0.01 - 0.1	0.280±0.010 (7.1±0.254)	0.165±0.010 (4.2±0.254)	0.025±0.010 (0.635±0.254)	0.062±0.010 (1.57±0.254)

### 0603 Case Size, 1/8 Watt

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL0603-0.01-E3	WSL0603R0100FEB	.01	.92	.90	.84	.76
71-WSL0603-0.015-E3	WSL0603R0150FEB	.015	.92	.90	.84	.76
71-WSL0603-0.016-E3	WSL0603R0160FEB	.016	.92	.90	.84	.76
71-WSL0603-0.018-E3	WSL0603R0180FEB	.018	.92	.90	.84	.76
71-WSL0603-0.02-E3	WSL0603R0200FEB	.02	.92	.90	.84	.76
71-WSL0603-0.022-E3	WSL0603R0220FEB	.022	.92	.90	.84	.76
71-WSL0603-0.025-E3	WSL0603R0250FEB	.025	.92	.90	.84	.76
71-WSL0603-0.03-E3	WSL0603R0300FEB	.03	.92	.90	.84	.76
71-WSL0603-0.033-E3	WSL0603R0330FEB	.033	.92	.90	.84	.76
71-WSL0603-0.05-E3	WSL0603R0500FEB	.05	.92	.90	.84	.76
71-WSL0603-0.051-E3	WSL0603R0510FEB	.051	.92	.90	.84	.76
71-WSL0603-0.1-E3	WSL0603R1000FEB	.1	.74	.72	.68	.62

### 0805 Case Size, 1/8 Watt

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL0805-0.05-E3	WSL0805R0500FEB	.05	1.00	.86	.76	.67
71-WSL0805-0.1-E3	WSL0805R1000FEB	.1	.81	.68	.60	.54
71-WSL0805-0.12-E3	WSL0805R1200FEB	.12	.81	.68	.60	.54
71-WSL0805-0.125-E3	WSL0805R1250FEB	.125	.81	.68	.60	.54
71-WSL0805-0.15-E3	WSL0805R1500FEB	.15	.81	.68	.60	.54
71-WSL0805-0.18-E3	WSL0805R1800FEB	.18	.81	.68	.60	.54

### 1206 Case Size, 1/4 Watt

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL1206-0.01-E3	WSL1206R0100FEB	.01	1.11	.94	.83	.72
71-WSL1206-0.015-E3	WSL1206R0150FEB	.015	1.11	.94	.83	.72
71-WSL1206-0.02-E3	WSL1206R0200FEB	.02	1.11	.94	.83	.72
71-WSL1206-0.025-E3	WSL1206R0250FEB	.025	1.11	.94	.83	.72
71-WSL1206-0.03-E3	WSL1206R0300FEB	.03	1.11	.94	.83	.72
71-WSL1206-0.033-E3	WSL1206R0330FEB	.033	1.11	.94	.83	.72
71-WSL1206-0.04-E3	WSL1206R0400FEB	.04	1.11	.94	.83	.72
71-WSL1206-0.047-E3	WSL1206R0470FEB	.047	1.11	.94	.83	.72
71-WSL1206-0.05-E3	WSL1206R0500FEB	.05	1.11	.94	.83	.72
71-WSL1206-0.06-E3	WSL1206R0600FEB	.06	1.11	.94	.83	.72
71-WSL1206-0.065-E3	WSL1206R0650FEB	.065	1.11	.94	.83	.72
71-WSL1206-0.068-E3	WSL1206R0680FEB	.068	1.11	.94	.83	.72
71-WSL1206-0.075-E3	WSL1206R0750FEB	.075	.91	.77	.68	.59
71-WSL1206-0.08-E3	WSL1206R0800FEB	.08	.91	.77	.68	.59
71-WSL1206-0.1-E3	WSL1206R1000FEB	.1	.91	.77	.68	.59
71-WSL1206-0.15-E3	WSL1206R1500FEB	.15	.91	.77	.68	.59
71-WSL1206-0.2-E3	WSL1206R2000FEB	.2	.91	.77	.68	.59
71-WSL1206-0.25-E3	WSL1206R2500FEB	.25	1.03	.99	.94	.86

### 2010 Case Size, 1/2 Watt

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL2010-0.004-E3	WSL2010R0040FEB	.004	1.91	1.62	1.43	1.25
71-WSL2010-0.005-E3	WSL2010R0050FEB	.005	1.81	1.53	1.35	1.19
71-WSL2010-0.007-E3	WSL2010R0070FEB	.007	1.81	1.53	1.35	1.19
71-WSL2010-0.0075-E3	WSL2010R00750FEB	.0075	1.81	1.53	1.35	1.19
71-WSL2010-0.008-E3	WSL2010R0080FEB	.008	1.81	1.53	1.35	1.19
71-WSL2010-0.01-E3	WSL2010R0100FEB	.01	1.26	1.07	.94	.82
71-WSL2010-0.012-E3	WSL2010R0120FEB	.012	1.26	1.07	.94	.82
71-WSL2010-0.015-E3	WSL2010R0150FEB	.015	1.26	1.07	.94	.82
71-WSL2010-0.018-E3	WSL2010R0180FEB	.018	1.26	1.07	.94	.82
71-WSL2010-0.02-E3	WSL2010R0200FEB	.02	1.26	1.07	.94	.82
71-WSL2010-0.025-E3	WSL2010R0250FEB	.025	1.26	1.07	.94	.82
71-WSL2010-0.03-E3	WSL2010R0300FEB	.03	1.26	1.07	.94	.82
71-WSL2010-0.033-E3	WSL2010R0330FEB	.033	1.26	1.07	.94	.82
71-WSL2010-0.035-E3	WSL2010R0350FEB	.035	1.26	1.07	.94	.82
71-WSL2010-0.04-E3	WSL2010R0400FEB	.04	1.26	1.07	.94	.82
71-WSL2010-0.05-E3	WSL2010R0500FEB	.05	1.26	1.07	.94	.82
71-WSL2010-0.056-E3	WSL2010R0560FEB	.056	1.26	1.07	.94	.82
71-WSL2010-0.068-E3	WSL2010R0680FEB	.068	1.26	1.07	.94	.82
71-WSL2010-0.075-E3	WSL2010R0750FEB	.075	1.06	.90	.79	.69
71-WSL2010-0.1-E3	WSL2010R1000FEB	.1	1.06	.90	.79	.69
71-WSL2010-0.12-E3	WSL2010R1200FEB	.12	1.06	.90	.79	.69
71-WSL2010-0.15-E3	WSL2010R1500FEB	.15	1.06	.90	.79	.69
71-WSL2010-0.18-E3	WSL2010R1800FEB	.18	1.06	.90	.79	.69
71-WSL2010-0.2-E3	WSL2010R2000FEB	.2	1.06	.90	.79	.69
71-WSL2010-0.22-E3	WSL2010R2200FEB	.22	1.06	.90	.79	.69
71-WSL2010-0.25-E3	WSL2010R2500FEB	.25	1.06	.90	.79	.69
71-WSL2010-0.3-E3	WSL2010R3000FEB	.3	1.06	.90	.79	.69
71-WSL2010-0.332-E3	WSL2010R3320FEB	.332	1.06	.90	.79	.69
71-WSL2010-0.4-E3	WSL2010R4000FEB	.4	1.06	.90	.79	.69
71-WSL2010-0.47-E3	WSL2010R4700FEB	.47	1.06	.90	.79	.69
71-WSL2010-0.5-E3	WSL2010R5000FEB	.5	1.06	.90	.79	.69

### 2512 Case Size, 1 Watt

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL2512-0.003-E3	WSL2512R0030FEB	.003	1.96	1.66	1.46	1.29
71-WSL2512-0.004-E3	WSL2512R0040FEB	.004	1.96	1.66	1.46	1.29
71-WSL2512-0.005-E3	WSL2512R0050FEB	.005	1.86	1.58	1.39	1.22
71-WSL2512-0.006-E3	WSL2512R0060FEB	.006	1.86	1.58	1.39	1.22
71-WSL2512-0.007-E3	WSL2512R0070FEB	.007	1.86	1.58	1.39	1.22
71-WSL2512-0.0075-E3	WSL2512R00750FEB	.0075	1.86	1.58	1.39	1.22
71-WSL2512-0.01-E3	WSL2512R0100FEB	.01	1.26	1.07	.94	.82
71-WSL2512-0.012-E3	WSL2512R0120FEB	.012	1.26	1.07	.94	.82
71-WSL2512-0.015-E3	WSL2512R0150FEB	.015	1.26	1.07	.94	.82
71-WSL2512-0.016-E3	WSL2512R0160FEB	.016	1.26	1.07	.94	.82
71-WSL2512-0.018-E3	WSL2512R0180FEB	.018	1.26	1.07	.94	.82
71-WSL2512-0.02-E3	WSL2512R0200FEB	.02	1.26	1.07	.94	.82
71-WSL2512-0.022-E3	WSL2512R0220FEB	.022	1.26	1.07	.94	.82
71-WSL2512-0.024-E3	WSL2512R0240FEB	.024	1.26	1.07	.94	.82
71-WSL2512-0.025-E3	WSL2512R0250FEB	.025	1.26	1.07	.94	.82
71-WSL2512-0.03-E3	WSL2512R0300FEB	.03	1.26	1.07	.94	.82
71-WSL2512-0.033-E3	WSL2512R0330FEB	.033	1.26	1.07	.94	.82
71-WSL2512-0.039-E3	WSL2512R0390FEB	.039	1.26	1.07	.94	.82
71-WSL2512-0.04-E3	WSL2512R0400FEB	.04	1.26	1.07	.94	.82
71-WSL2512-0.05-E3	WSL2512R0500FEB	.05	1.26	1.07	.94	.82
71-WSL2512-0.056-E3	WSL2512R0560FEB	.056	1.26	1.07	.94	.82
71-WSL2512-0.062-E3	WSL2512R0620FEB	.062	1.26	1.07	.94	.82
71-WSL2512-0.065-E3	WSL2512R0650FEB	.065	1.26	1.07	.94	.82
71-WSL2512-0.068-E3	WSL2512R0680FEB	.068	1.26	1.07	.94	.82
71-WSL2512-0.07-E3	WSL2512R0700FEB	.07	1.11	.94	.83	.72
71-WSL2512-0.075-E3	WSL2512R0750FEB	.075	1.11	.94	.83	.72
71-WSL2512-0.08-E3	WSL2512R0800FEB	.08	1.11	.94	.83	.72
71-WSL2512-0.1-E3	WSL2512R1000FEB	.1	1.11	.94	.83	.72
71-WSL2512-0.12-E3	WSL2512R1200FEB	.12	1.11	.94	.83	.72
71-WSL2512-0.15-E3	WSL2512R1500FEB	.15	1.11	.94	.83	.72
71-WSL2512-0.2-E3	WSL2512R2000FEB	.2	1.11	.94	.83	.72
71-WSL2512-0.22-E3	WSL2512R2200FEB	.22	1.11	.94	.83	.72
71-WSL2512-0.25-E3	WSL2512R2500FEB	.25	1.11	.94	.83	.72
71-WSL2512-0.3-E3	WSL2512R3000FEB	.3	1.11	.94	.83	.72
71-WSL2512-0.33-E3	WSL2512R3300FEB	.33	1.11	.94	.83	.72
71-WSL2512-0.4-E3	WSL2512R4000FEB	.4	1.11	.94	.83	.72
71-WSL2512-0.47-E3	WSL2512R4700FEB	.47	1.11	.94	.83	.72
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