

WELWYN Wirewound Resistors

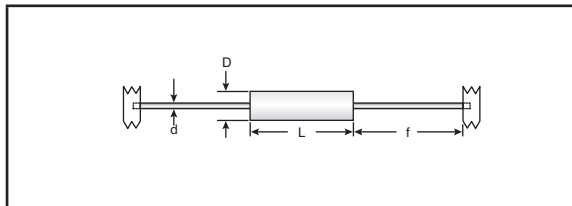


WELWYN ULW SERIES WIREWOUND RESISTORS

Features:

- UL 1412 recognized fusible resistor *
- Failsafe mains fusing at 120/240Vrms
- Inrush and surge withstanding
- UL94V-0 flameproof coating
- SMD leadform option available
- RoHS Compliant

*: UL file number E234469.



Physical Data

Dimensions (mm) and Weight (g)							
Type	L max	D max	f min	d nom	PCB Mount Centres	Min bend radius	Wt. nom
ULW2	9.0	3.6	19.8	0.8	12.7		0.5
ULW3	14.5	5.4	24.6		20.3	1.2	1.1

For quantities greater than listed, call for quote.

Electrical Data

		ULW2	ULW3
Power Rating at 25°C	Watts	2	3
5 Second Overload Rating at 25°C	Watts	10	15
Resistance Range	Ohms	22 to 100	10 to 100
TCR	ppm/°C	±200	
Isolation Voltage	Volts	250	350
UL Recognized Standard Values	Ohms	22, 33, 47, 68, 100	10, 22, 27, 33, 47, 68, 100
Thermal Impedance	°C/Watt	110	82
Ambient Temperature Range	°C	-55 to +155	

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol.	Price Each			
				1	10	100	250
ULW2 Series							
756-ULW2-22R0JA25	ULW2-22R0JA25	22	5%	.20	.166	.143	.137
756-ULW2-33R0JA25	ULW2-33R0JA25	33	5%	.20	.166	.143	.137
756-ULW2-47R0JA25	ULW2-47R0JA25	47	5%	.20	.166	.143	.137
756-ULW2-68R0JA25	ULW2-68R0JA25	68	5%	.20	.166	.143	.137
756-ULW2-100R0JA25	ULW2-100R0JA25	100	5%	.20	.166	.143	.137
ULW3 Series							
756-ULW3-10R0JA1	ULW3-10R0JA1	10	5%	.25	.221	.18	.171
756-ULW3-22R0JA1	ULW3-22R0JA1	22	5%	.25	.221	.18	.171
756-ULW3-27R0JA1	ULW3-27R0JA1	27	5%	.25	.221	.18	.171
756-ULW3-33R0JA1	ULW3-33R0JA1	33	5%	.25	.221	.18	.171
756-ULW3-47R0JA1	ULW3-47R0JA1	47	5%	.25	.221	.18	.171
756-ULW3-68R0JA1	ULW3-68R0JA1	68	5%	.25	.221	.18	.171
756-ULW3-100R0JA1	ULW3-100R0JA1	100	5%	.25	.221	.18	.171

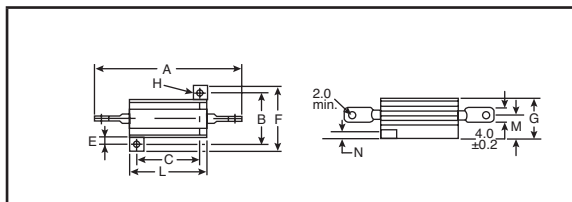
Power Resistors

Welwyn

WELWYN ALUMINIUM HOUSED WIREWOUND RESISTORS

Features:

- High power dissipation up to 50W
- All welded construction
- Suitable for severe environments
- Designed for excellent thermal conductivity to heatsink
- RoHS compliant



Physical Data

Dimensions (mm) & Weight (g)												
Type	WH5-50											
	A Max	B ±0.3	C ±0.3	E Min	F Max	G Max	H Dia±0.2	L Max	M ±0.5	N Max	Dt Min	Wt. Nom
WH5	30	12.4	11.3	1.9	17	9	2.4	17.0	4.3	1.8	2.5	3.6
WH10	36.5	15.9	14.3	1.9	21	11	2.4	21.0	5.2	2.2	2.9	5.6
WH25	51	19.8	18.3	2.8	28	15	3.3	29.0	7.2	2.6	4.3	13
WH50	72.5	21.4	39.7	2.8	30	16	3.3	51.0	7.9	2.6	5.1	29

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			
				1	10	100	250
WH5 Series, 10 Watts							
756-WH5-4R7J1	WH5-4R7J1	4.7	5	1.77	1.71	1.56	1.53
756-WH5-10RJ1	WH5-10RJ1	10	5	1.77	1.71	1.56	1.53
756-WH5-22RJ1	WH5-22RJ1	22	5	1.77	1.71	1.56	1.53
756-WH5-27RJ1	WH5-27RJ1	27	5	1.77	1.71	1.56	1.53
756-WH5-33RJ1	WH5-33RJ1	33	5	1.77	1.71	1.56	1.53
756-WH5-68RJ1	WH5-68RJ1	68	5	1.77	1.71	1.56	1.53
756-WH5-100RJ1	WH5-100RJ1	100	5	1.77	1.71	1.56	1.53
756-WH5-120RJ1	WH5-120RJ1	120	5	1.77	1.71	1.56	1.53
756-WH5-330RJ1	WH5-330RJ1	330	5	1.77	1.71	1.56	1.53
WH10 Series, 15 Watts							
756-WH10-10RJ1	WH10-10RJ1	10	5	2.24	2.12	1.78	1.74
756-WH10-100RJ1	WH10-100RJ1	100	5	2.24	2.12	1.78	1.74
WH25 Series, 25 Watts							
756-WH25-R10J1	WH25-R10J1	0.1	5	2.43	2.31	1.93	1.89
756-WH25-R33J1	WH25-R33J1	0.33	5	2.43	2.31	1.93	1.89
756-WH25-1R0J1	WH25-1R0J1	1	5	2.43	2.31	1.93	1.89
756-WH25-1R5J1	WH25-1R5J1	1.5	5	2.43	2.31	1.93	1.89
756-WH25-2R0J1	WH25-2R0J1	2	5	2.43	2.31	1.93	1.89
756-WH25-2R2J1	WH25-2R2J1	2.2	5	2.43	2.31	1.93	1.89
756-WH25-3R9J1	WH25-3R9J1	3.9	5	2.43	2.31	1.93	1.89
756-WH25-4R7J1	WH25-4R7J1	4.7	5	2.43	2.31	1.93	1.89
756-WH25-8K2J1	WH25-8K2J1	8.2	5	2.71	2.61	2.43	2.42
756-WH25-10RJ1	WH25-10RJ1	10	5	2.43	2.31	1.93	1.89
756-WH25-12RJ1	WH25-12RJ1	12	5	2.43	2.31	1.93	1.89
756-WH25-15RJ1	WH25-15RJ1	15	5	2.43	2.31	1.93	1.89
756-WH25-18RJ1	WH25-18RJ1	18	5	2.43	2.31	1.93	1.89
756-WH25-22RJ1	WH25-22RJ1	22	5	2.43	2.31	1.93	1.89
756-WH25-24RJ1	WH25-24RJ1	24	5	2.43	2.31	1.93	1.89
756-WH25-27RJ1	WH25-27RJ1	27	5	2.43	2.31	1.93	1.89
756-WH25-39RJ1	WH25-39RJ1	39	5	2.43	2.31	1.93	1.89
756-WH25-47RJ1	WH25-47RJ1	47	5	2.43	2.31	1.93	1.89
756-WH25-56RJ1	WH25-56RJ1	56	5	2.43	2.31	1.93	1.89
756-WH25-68RJ1	WH25-68RJ1	68	5	2.43	2.31	1.93	1.89
756-WH25-100RJ1	WH25-100RJ1	100	5	2.43	2.31	1.93	1.89
756-WH25-220RJ1	WH25-220RJ1	220	5	2.43	2.31	1.93	1.89
756-WH25-470RJ1	WH25-470RJ1	470	5	2.43	2.31	1.93	1.89
756-WH25-10KJ1	WH25-10KJ1	10K	5	2.71	2.61	2.43	2.42

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			
				1	10	100	250
WH25 Series, 25 Watts (Cont.)							
756-WH25-1K0J1	WH25-1K0J1	1K	5	2.43	2.31	1.93	1.89
756-WH25-2K2J1	WH25-2K2J1	2.2K	5	2.43	2.31	1.93	1.89
756-WH25-3K9J1	WH25-3K9J1	3.9K	5	2.43	2.31	1.93	1.89
756-WH25-4K7J1	WH25-4K7J1	4.7K	5	2.43	2.31	1.93	1.89
756-WH5-330RJ1	WH5-330RJ1	330	5	1.77	1.71	1.56	1.53
WH50 Series, 50 Watts							
756-WH50-R68J1	WH50-R68J1	0.68	5	4.25	4.09	3.62	3.59
756-WH50-1R0J1	WH50-1R0J1	1	5	4.25	4.09	3.62	3.59
756-WH50-2R0J1	WH50-2R0J1	2	5	4.25	4.09	3.62	3.59
756-WH50-2R2J1	WH50-2R2J1	2.2	5	4.25	4.09	3.62	3.59
756-WH50-4R7J1	WH50-4R7J1	4.7	5	4.25	4.09	3.62	3.59
756-WH50-5R0J1	WH50-5R0J1	5	5	2.33	2.20	1.82	1.78
756-WH50-5R6J1	WH50-5R6J1	5.6	5	4.25	4.09	3.62	3.59
756-WH50-6R8J1	WH50-6R8J1	6.8	5	4.25	4.09	3.62	3.59
756-WH50-10RJ1	WH50-10RJ1	10	5	4.25	4.09	3.62	3.59
756-WH50-12RJ1	WH50-12RJ1	12	5	4.25	4.09	3.62	3.59
756-WH50-15RJ1	WH50-15RJ1	15	5	4.25	4.09	3.62	3.59
756-WH50-18RJ1	WH50-18RJ1	18	5	2.80	2.70	2.39	2.37
756-WH50-20RJ1	WH50-20RJ1	20	5	2.80	2.70	2.39	2.37
756-WH50-22RJ1	WH50-22RJ1	22	5	2.80	2.70	2.39	2.37
756-WH50-24RJ1	WH50-24RJ1	24	5	2.80	2.70	2.39	2.37
756-WH50-27RJ1	WH50-27RJ1	27	5	2.80	2.70	2.39	2.37
756-WH50-30RJ1	WH50-30RJ1	30	5	2.80	2.70	2.39	2.37
756-WH50-33RJ1	WH50-33RJ1	33	5	2.80	2.70	2.39	2.37
756-WH50-47RJ1	WH50-47RJ1	47	5	2.80	2.70	2.39	2.37
756-WH50-50RJ1	WH50-50RJ1	50	5	2.33	2.20	1.82	1.78
756-WH50-100RJ1	WH50-100RJ1	100	5	2.80	2.70	2.39	2.37
756-WH50-150RJ1	WH50-150RJ1	150	5	2.80	2.70	2.39	2.37
756-WH50-180RJ1	WH50-180RJ1	180	5	2.80	2.70	2.39	2.37
756-WH50-220RJ1	WH50-220RJ1	220	5	2.80	2.70	2.39	2.37
756-WH50-270RJ1	WH50-270RJ1	270	5	2.80	2.70	2.39	2.37
756-WH50-1K2J1	WH50-1K2J1	1.2K	5	2.80	2.70	2.39	2.37
756-WH50-10KJ1	WH50-10KJ1	10K	5	2.80	2.70	2.39	2.37
756-WH50-16KJ1	WH50-16KJ1	16K	5	2.80	2.70	2.39	2.37
756-WH50-1K0J1	WH50-1K0J1	1K	5	2.80	2.70	2.39	2.37
756-WH50-2K2J1	WH50-2K2J1	2.2K	5	2.80	2.70	2.39	2.37
756-WH50-22KJ1	WH50-22KJ1	22K	5	4.25	4.09	3.62	3.59