

WELWYN Line Input Resistors



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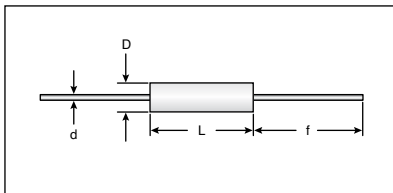


EMC SERIES METAL FILM RESISTORS

Features:

- UL 1412 recognized*
- Fallsafe 240V mains fusing
- Good pulse handling capability
- Small size for power rating
- UL94-V0 flameproof protection

*: Values 22R and above. UL file number E234469.



Electrical Data

		EMC2
Power Rating at 70°C	Watts	2
Resistance Range	Ohms	4R7-68R
TCR (25 to 75°C)	ppm/°C	100
Isolation Voltage	Volts	500
Standard Values		E12
Thermal Impedance	°C/Watt	82
Ambient Temperature Range	°C	-55 to +155

Physical Data

Dimensions (mm) & Weight (g)

Type	L max	D max	f min	d nom	PCB Mount Centres	Min Bend Radius	Wt. nom
EMC2	10	4	27	0.8	18.4	1.2	0.55

EMC2 Series - Pulse Withstanding Fusible Flameproof Metal Film Resistors

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tolerance	Power Rating @ 70c (Watts)	Price Each			
					1	25	100	1000
756-EMC2-4R7K	EMC2-4R7K	4.7	10%	2				
756-EMC2-6R8K	EMC2-6R8K	6.8	10%	2				
756-EMC2-8R2K	EMC2-8R2K	8.2	10%	2				
756-EMC2-10R0K	EMC2-10R0K	10	10%	2				
756-EMC2-15R0K	EMC2-15R0K	15	10%	2				
756-EMC2-22R0K	EMC2-22R0K	22	10%	2				
756-EMC2-27R0K	EMC2-27R0K	27	10%	2				
756-EMC2-33R0K	EMC2-33R0K	33	10%	2				
756-EMC2-47R0K	EMC2-47R0K	47	10%	2				
756-EMC2-68R0K	EMC2-68R0K	68	10%	2				

ULW SERIES WIREWOUND RESISTORS

Physical Data

		Dimensions (mm) & 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		12.7		0.5	
ULW3	14.5	5.4	24.6	0.8	20.3	1.2	1.1	
ULW5	16.5	7.2	23.6		22.9		1.8	

Features:

- UL 1412 recognized fusible resistor*
- Fallsafe mains fusing at 120/240Vrms
- Inrush and surge withstanding
- UL94-V0 flameproof coating
- SMD leadform option available
- RoHS Compliant

*: UL file number E234469.

Electrical Data

		ULW2	ULW3	ULW5
Power Rating at 25°C	Watts	2	3	5
5 Second Overload Rating at 25°C	Watts	10	15	25
Resistance Range	Ohms	22 to 100	10 to 100	4R7-100
TCR	ppm/°C	±200		
Isolation Voltage	Volts	250	350	50
UL Recognized Standard Values	Ohms	22, 33, 47,	10, 22, 27, 33,	4R7, 10, 22, 27,
		68, 100	47, 68, 100	33, 47, 68, 100
Thermal Impedance	°C/Watt	110	82	54
Ambient Temperature Range	°C	-55 to +155		

ULW2 Series

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tolerance	Power Rating @ 25c (Watts)	Price Each			
					1	25	100	1000
756-ULW2-22R0JA25	ULW2-22R0JA25	22	5%	2				
756-ULW2-33R0JA25	ULW2-33R0JA25	33	5%	2				
756-ULW2-47R0JA25	ULW2-47R0JA25	47	5%	2				
756-ULW2-68R0JA25	ULW2-68R0JA25	68	5%	2				
756-ULW2-100R0JA25	ULW2-100R0JA25	100	5%	2				

ULW3 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tolerance	Power Rating @ 25c (Watts)	Price Each			
					1	25	100	500
756-ULW3-10R0JA1	ULW3-10R0JA1	10	5%	3				
756-ULW3-22R0JA1	ULW3-22R0JA1	22	5%	3				
756-ULW3-27R0JA1	ULW3-27R0JA1	27	5%	3				
756-ULW3-33R0JA1	ULW3-33R0JA1	33	5%	3				
756-ULW3-47R0JA1	ULW3-47R0JA1	47	5%	3				
756-ULW3-68R0JA1	ULW3-68R0JA1	68	5%	3				
756-ULW3-100R0JA1	ULW3-100R0JA1	100	5%	3				

ULW5 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tolerance	Power Rating @ 25c (Watts)	Price Each			
					1	25	100	500
756-ULW5-10R0JA1	ULW5-10R0JA1	10	5%	5				
756-ULW5-22R0JA1	ULW5-22R0JA1	22	5%	5				
756-ULW5-27R0JA1	ULW5-27R0JA1	27	5%	5				
756-ULW5-33R0JA1	ULW5-33R0JA1	33	5%	5				
756-ULW5-47R0JA1	ULW5-47R0JA1	47	5%	5				
756-ULW5-68R0JA1	ULW5-68R0JA1	68	5%	5				
756-ULW5-100R0JA1	ULW5-100R0JA1	100	5%	5				