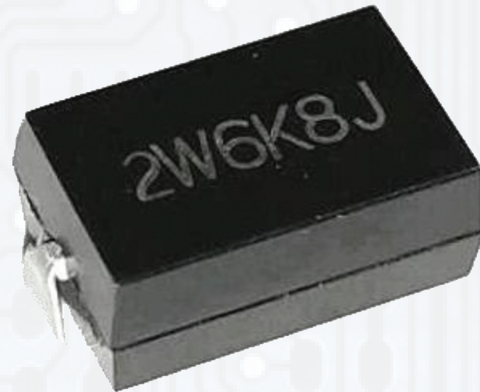


# WIRE ROUND CHIP RESISTOR

## - WWR SERIES -

### FEATURES

- Resistance range: 0.1 to 1.2KΩ
- High loading power, can bear high power load
- Nonflammable epoxy resin hot-pressing encapsulated, firm in structure
- Low noise, perfect stability and high reliability
- Good moisture-proof and environmental suitability
- Suitable for surface mounted (SMT) operating for automation
- Many kinds of size series for selection



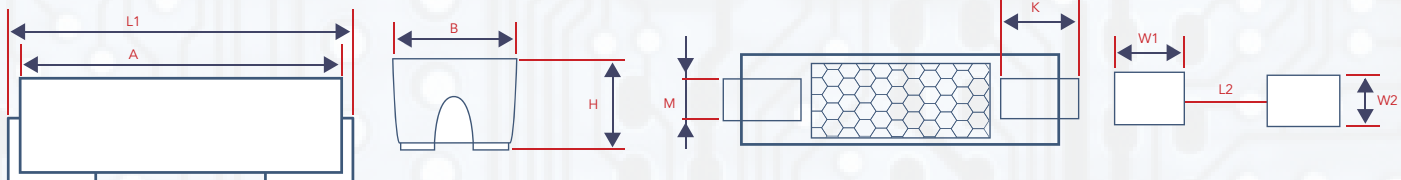
### APPLICATIONS

- Power supply models of communication
- High power supply
- Protection circuits of signal
- Power supply of STB or other terminal devices

### PART NUMBERING GUIDE

<b>WWR</b>	<b>27</b>	<b>J</b>	<b>1001</b>	<b>CT</b>	<b>100</b>	<b>R</b>
PRODUCT TYPE	DIMENSIONS (L1xB)	RESISTANCE TOLERANCE	RESISTANCE	PACKAGING CODE	TCR (PPM/°C)	POWER RATING
	15: 2615 16: 3816 25: 4525 27: 6327	D: ±0.5% F: ±1% G: ±2% J: ±5%	0010: 1Ω 4R70: 4.7Ω 1001: 1KΩ	T: Tape & Reel B: Bulk	100: ±100 150: ±150 200: ±200 300: ±300	U: 1/2W T: 1W S: 2W R: 3W D: 5W

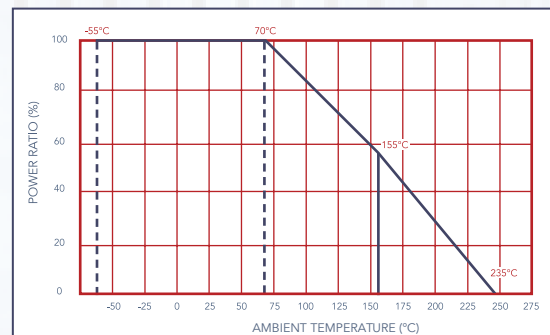
### DIMENSIONS



TYPE	SIZE (INCH)	L1	A	B MAX.	H	K MIN.	M	W1	W2	L2	PACKAGING 330mm /13"
15	2615	6.6±0.5	5.6±0.5	4.0	3.2±0.25	1.2	1.0±0.4	2.0	2.0	4.0	2000 pcs
16	3816	9.6±0.5	8.6±0.5	4.2	3.2±0.25	1.8	1.2±0.4	3.0	2.2	5.2	2000 pcs
25	4525	11.4±0.5	10.2±0.5	6.5	4.6±0.25	2.2	2.0±0.4	3.2	2.5	7.0	1000 pcs
26	6327	15.9±0.5	14.7±0.5	7.0	6.4±0.25	3.0	2.0±0.4	4.5	3.0	8.8	800 pcs

### DERATING CURVE

- Power rating is defined as maximum power rating continuously applied under ambient temperature at 70°C when the ambient temperature exceeds 70°C.



## STANDARD ELECTRICAL SPECIFICATIONS

- Rated voltage is defined as the DC or AC (effective Value at commercial frequency example 50 C/S,60 C/S), Voltage when rated power is applied and can be calculated By the following:

$$V = \sqrt{PXR}$$

V = RATED VOLTAGE

P = RATED POWER (WATTS)

R = NOMINAL RESISTANCE VALUE (OHM)

When the calculated rated voltage exceeds the Maximum usable voltage flow shown in CHART, the Maximum usable voltage is defined as the voltage According to the power-decreasing curve shown in CHART.

## SPECIAL ELECTRICAL SPECIFICATIONS

TYPE ITEM	POWER RATING	OPERATING TEMP RANGE	MAX OPERATING VOLTAGE	MAX OVERLOAD VOLTAGE	DIELECTRIC WITHSTANDING VOLTAGE	RESISTANCE RANGE				TCR (PPM/°C)
						±0.5%	±1%	±2%	±5%	
15 (2615)	1/2 W 1 W	-55~+155°C	200V	350V	500V	-		0.22Ω – 0.49 Ω		±300
						-		0.5Ω – 0.99Ω		±200
						-	1Ω – 9.9Ω			±150
						10Ω – 50Ω			±100	
16 (3816)	1W 2W	-55~+155°C	250V	500V	500V	-		0.22Ω – 0.49 Ω		±300
						-		0.5Ω – 0.99Ω		±200
						-	1Ω – 9.9Ω			±150
						10Ω – 200Ω			±100	
25 (4525)	2W 3W	-55~+155°C	350V	700V	500V	-		0.1Ω – 0.49 Ω		±300
						-		0.5Ω – 0.99Ω		±200
						-	1Ω – 9.9Ω			±150
						10Ω – 1KΩ			±100	
26 (6327)	3W 5W	-55~+155°C	500V	800V	500V	-		0.1Ω – 0.49 Ω		±300
						-		0.5Ω – 0.99Ω		±200
						-	1Ω – 9.9Ω			±150
						10Ω – 1.2KΩ			±100	

For special TCR which is not shown in the above table, please check us.

## ELECTRICAL CHARACTERISTICS

ITEM	REQUIREMENT	TEST METHOD
Temperature Shock Test	±(5% +0.05Ω)	-25°C for 30min, 25°C for 10min and 70°C for 30min as a cycle, 5cycles
Short Time Overload	±(2% +0.05Ω)	RCWV*2.5 or Max. overload voltage whichever is lower for 5 seconds
Endurance	±(5% +0.05Ω)	70 ± 3°C, RCWV for 1000 ± 48 hrs with 1.5 hrs "ON" and 0.5 hrs "OFF"
Damp Heat with Load	±(5% +0.05Ω)	40 ± 2°C, 90~95% R.H. RCWV for 1000±48 hrs with 1.5 hrs "ON" and 0.5 hrs "OFF"
Solderability	95% min. coverage	245 ± 5°C for 3 seconds
Dielectric Withstand Voltage	1000MΩ	Apply 500V~1000V for 1 minute



**PULSE CURVE**

