1. Applicable Scope:

This type resistor is non inductive.

It is customer order made.

Remark: Milli OHM WIRE RESISTORS are RoHS Compliant.

2. Part Number:

It is composed by Type, Wire Diameter, Pitch, Nominal Resistance, Tolerance and Forming.e.g.

WOR	1.0	10	10mR	G	<u>MG</u>
Type	Wire Diameter	Pitch	Nominal Resistance	Tolerance	Forming

2.1 Type:

Milli ohm wire resistors are called "WOR".

2.2 Wire Diameter:

The range is $0.6 \text{mm} \sim 2.6 \text{mm}$.

2.3 Pitch:

According to mounting requirements, there are 5mm, 10mm, 15mm......etc.

2.4 Nominal Resistance:

m Ω is its unit which be in accordance with JIS-C6409 article 6 (EIA RS-196A) series. Letter "10mR" indicates resistance value 10m Ω .

2.5 Tolerance:

It is measured by Bridge-method at room temperature and expressed by a capital letter.

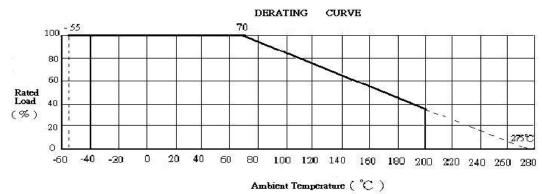
G: +2%

2.6 Forming:

Upon the shape of forming, there are "MG" form, "MS" formetc.

3. Rated Power:

Rated power is the value of Max load power specified at the ambient temperature of 70° C, and shall meet the functions of electrical and mechanical performance. When the ambient temperature surpasses above mentioned temperature, the value declines as per following DERATING CURVE.



4. Operating Temperature Range: -55°C ~200°C

5. Electrical and mechanical specifications:

Characteristics	Con	Test methods	
Resistance and Tolerance	$10 \text{m}\Omega$	±2%	JIS-C-5201
Temperature coefficient	CMW	±50ppm/°C	JIS-C-5201
Power rating load Temperature 200°C MAX △R/R≤1%			JIS-C-5201
Short-time overload	No evidence of mechanical △R/R≦2%	damage	JIS-C-5201
Terminal strength	No evidence of mechanical Wire dimension over 1.0mm Wire dimension below 0.8mm	JIS-C-5201	
Vibration	No evidence of mechanical (Insert in the PCB state)	JIS-C-5201	
Soldering heat	No evidence of mechanical △R/R≦1%	damage (260°C 10sec)	JIS-C-5201
Solder-ability	95% coverage MIN (235℃ 2	sec)	JIS-C-5201

6. Environmental specifications:

Characteristics	Condition	Test methods
Heat resistor	No deterioration(200°C 2Hrs)	JIS-C-5201
	$1/R/R \le 2\%$	
Temperature cycling	No evidence of mechanical damage (-55°C/200°C 5 cycles) △R/R≤1%	JIS-C-5201
Load life in humidity	10%rate power load (90min ON 30min OFF 40°C 95%RH 250Hrs) \triangle R/R \leq 2%	JIS-C-5201
Load life	100%rate power load (90min ON 30min OFF 1,000Hrs) △R/R≤3%	JIS-C-5201

7. Dimension:

$\begin{array}{c} \varphi \mathrm{D} \\ \pm 0. 03 (\mathrm{mm}) \end{array}$	P ±0.2(mm)	$\begin{array}{c} h \\ \pm 0.3 (\text{mm}) \end{array}$	H Max.(mm)	C ±0.2(mm)	Center resistance $(m\Omega)$	Wire material
1.0	10	3. 2	6	1.4	$10\pm2\%$	CMW

8. Figure:

