



General Resistors

High Precision Axial Moulded Wirewound Resistors - BWW Series / 绕线电阻

► Moulded Wirewound Resistors Features:

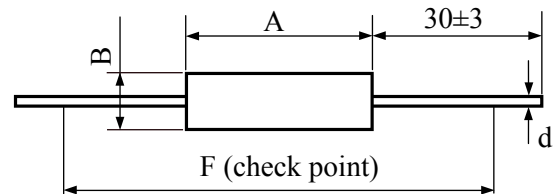
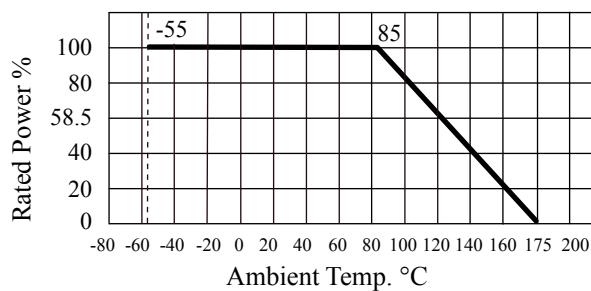
- Axial Moulded Type.
- High Precision.
- High Reliability.
- Excellent load life stability.
- Insulation, Moisture Proof.
- Meets the Standards of MIL-R-93.



► Moulded Wirewound Resistors Technical Specifications

Type	RateWatts at 25°C (W)	Resistance Range (Ω)		Tolerance (%)	TCR (PPM/°C)	Dimensions (mm)			
		Min	Max			A±0.25	ΦB±0.25	Φd	F
BWW-0.5	0.5	0.1	100	±0.1 ±0.25 ±0.5 ±1 ±2	±25 ±50 ±150	7.0	3.0	0.8	27.0
BWW-1	1.0	0.1	1K			11.0	3.0	0.8	31.0
BWW-3	3.0	0.1	10K			15.0	5.2	0.8	34.0
BWW-4	4.0	0.1	15K			18.0	6.5	0.8	38.0
BWW-5	5.0	1	24K			24.0	8.4	1.0	44.0
BWW-10	10.0	1	39K			46.5	10.0	1.0	66.0

Power Derating Curve



► Moulded Wirewound Resistors Performance

Test Items	Test Conditions	Specifications
Operating Temp. Range		-55°C ~ 175°C
Insulation Resistance	500V	>1GΩ
Dielectric Withstanding Voltage	500V AC 1 Min.	ΔR ≤ ±0.1%R
Load Life	70°C on~off cycle 1000 Hrs.	ΔR ≤ ±1%R
Moisture-Proof Load Life	40°C 95% RH on~off cycle 21 Hrs.	ΔR ≤ ±0.2%R
Resistance to soldering heat	350°C, 3.5s	ΔR ≤ ±0.1%R
Solderability	235±5°C, 5s(solder bath method)	IEC68-2-20(1968)





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► Moulded Wirewound Resistors How to Order

BWW - **1W** **100R** **F** **D** **P**

① ② ③ ④ ⑤ ⑥

① Product Type

② Power Rating

③ Resistance

Code	Resistance
R100	0.1Ω
100R	100Ω
1KR	1000Ω

④ Resistance Tolerance

Code	Resistance Tolerance
B	±0.1%
C	±0.25%
D	±0.5%
F	±1%
G	±2%

⑤ TCR

Code	TCR
C	±25PPM/°C
D	±50PPM/°C
K	±150PPM/°C

⑥ Packaging: P (Bulk)