

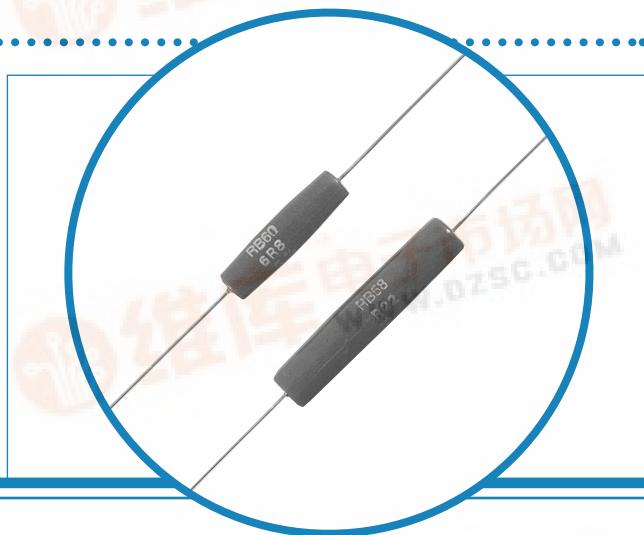
查询V700供应商

捷多邦，专业PCB打样工厂，24小时加急出货

Vitreous Enamelled Wirewound Resistors

V700 (RB Style) Series

- **BS/CECC approved**
- **Stability for harsh environments**
- **Overload characteristics ideal for protection circuits**
- **High stability and reliability**
- **High power dissipation for size**
- **Impervious lead free vitreous enamel coating**



Electrical Data

		V757 (RB57)	V758 (RB58)	V759 (RB59)	V760 (RB60)	V761 (RB61)
Power rating at 25°C	watts	7	11.0	3.0	8.0	5.0
Resistance range	ohms	0R1 to 20K	0R2 to 82K	0R1 to 10K	0R1 to 56K	0R1 to 15K
Limiting element voltage	volts	200	400	100	250	160
TCR	ppm/°C	Typically: +75			Maximum +120	
Resistance tolerance	%	5			Closer tolerances to special order	

Approved CECC 40201 - 001

Power rating at 25°C	watts	6.5		3.0	8.0	5.0
Power rating at 70°C	watts	5.6		2.6	6.9	4.3
Resistance range	ohms	0R1 to 20K		0R1 to 10K	0R1 to 56K	0R15 to 15K
Limiting element voltage	volts	160		63	250	160
TCR	ppm/°C	>20 ohms ±500			≥20 ohms -50 +250	
Resistance tolerance	%	5		5	5	5
Standard values		E24 preferred. Other values to special order				
Thermal impedance	°C/watt	44	32	88	36	58
Ambient temperature range	°C	-55 to 200				

* See temperature rise in graph Application Notes

Physical Data

Maximum Dimensions (mm) and Weight (g)					
Type	L max	D max	f min	d max	Wt. Nom
V757 (RB57)	22.2	8	30	0.88	2
V758 (RB58)	47	11	30	0.88	9
V759 (RB59)	12.7	5.6	30	0.88	1
V760 (RB60)	36	10.0	30	0.88	4
V761 (RB61)	23	7.0	30	0.88	2

Construction

A high purity ceramic substrate is assembled with force fit end caps to which are welded the termination wires.

The resistive element is wound on the substrate and welded to the caps; the vitreous enamel protective coating is then applied.



Welwyn Components reserves the right to make changes in product specification without notice or liability.
All information is subject to Welwyn's own data and is considered accurate at time of going to print.

Welwyn

A subsidiary of
TT electronics plc

Vitreous Enamelled Wirewound Resistors

V700 (RB Style) Series



Terminations

Material Copper clad steel wire, nickel plated and solder-coated.

Strength The terminations meet requirements of IEC 68.2.21.

Solderability The terminations meet the requirements of IEC 115-1, Clause 4.17.3.2.

Performance Data

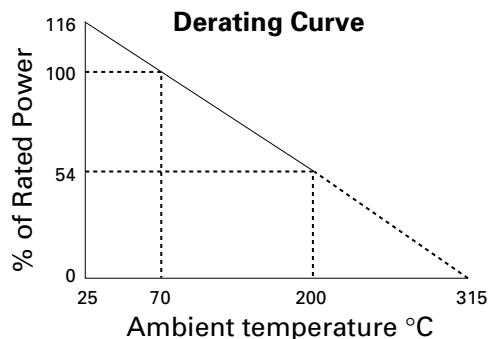
	CECC 40201-001	Actual Performance	
		Maximum	Typical
Load at rated power: 1000 hrs	ΔR%	5	3.5
Dry heat: 1000 hours at 200°C	ΔR%	5	1
Shelf life: 12 mths at room temp	ΔR%	Not specified	0.03
Derating from rated power at 25°C	ΔR%	Not specified	See derating curve
Short term overload	ΔR%	2	1.5
Climatic	ΔR%	5	0.5
Climatic category	ΔR%	55/200/56	55/200/56
Long term damp heat	ΔR%	5	0.05
Temperature rapid change	ΔR%	1	0.05
Resistance to solder heat	ΔR%	1	0.25
Vibration	ΔR%	1	0.25
Noise (μV/V in a decade of frequency)		Not specified	zero
Shock	ΔR%	1	0.2
Pulse handling		Data available by request	

Application Notes

The terminations should not be bent closer than 1.6mm from the body, and the recommended minimum bend radius is 1.2mm. If resistors are to dissipate full rated power, the terminations should not be soldered closer than 4mm from the body.

When cold, vitreous enamel has excellent insulation resistance. In common with all insulants the specific resistance of the enamel decreases with increase in temperature. Therefore, resistors operated at near maximum temperature cannot be classed as insulated and should not be used in contact with any conducting material.

Care must be taken when determining clearance distance between the resistor body and the printed circuit board or other components to ensure these are not over heated. Resistance is measured 6mm from the body.



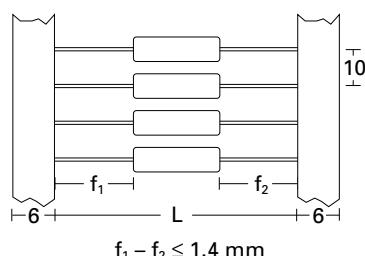
Packaging

For RB59 and RB61 the standard method of packaging is taped and Ammo Packed.

For RB57, the standard method of packaging is taped and reeled. RB58 and RB60 are loose packed in boxes.

Alternative packaging available by request.

Type	L
V759	63
V757	73
V761	73



Standard Quantities Per Box/Spool

Type (style)	V757 (RB57)	V758 (RB58)	V759 (RB59)	V760 (RB60)	V761 (RB61)
Ammo pack	—	—	1000	—	1000
Spool	700	—	—	—	—
Box (Loose)	—	25	—	50	—