Axial Vitreous Wirewound Resistors



FEATURES

- Complete welded construction
- Vitreous coating
- Enhanced humidity protection
- TCR 100. . .180 ppm/K
- Pure tin plating provides compatibility with lead (Pb)-free and lead containing soldering processes
- Compatible with "Restriction of the use of Hazardous Substances" (RoHS) directive 2002/95/EC (issue 2004)

STANDARD ELECTRICAL SPECIFICATIONS

GLOBAL MODEL	HISTORICAL MODEL	APPROVED	POWER RATING	RESISTANCE RANGE E12/E24		LIMITING VOLTAGE
		CECC 40201-801	$P_{40\,°C}$ W	TOL. ± %	Ω	V
G220414	G202	FDG	**4**	10 5 2 1	R10 - 10K R10 - 10K R36 - 10K (1) on request	200
G240719	G204	FDK	**7**	10 5 2 1	R10 - 39K R10 - 39K R10 - 39K on request	350
G260933	G206	FDP	**13**	10 5 2 1	R15 - 68K R15 - 68K R15 - 68K on request	500
G270947	G207		**17**	10 5 2 1	R20 - 120K R20 - 120K R20 - 120K on request	650

Note

(1) R10 - R36 on request

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: G24071933902J4B000 (preferred part number format)

G	2	4	0	7	1	9	3	3	9	0	2	J	4	B	0	0	0

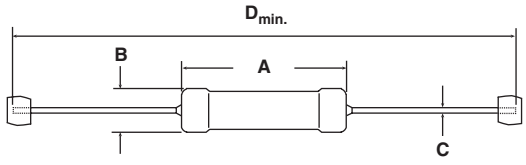
MODEL	TCR/MATERIAL	VALUE	TOLERANCE	PACKAGING	SPECIAL
(See Standard Electrical Specifications table)	**3** = Class 3 WM110 100...180 ppm/K	**3 digit value** **1 digit multiplier** MULTIPLIER **7** = $*10^{-3}$ **8** = $*10^{-2}$ **9** = $*10^{-1}$ **0** = $*10^{0}$ **1** = $*10^{1}$ **2** = $*10^{2}$ **3** = $*10^{3}$	**F** = ± 1.0 % **G** = ± 2.0 % **J** = ± 5.0 % **K** = ± 10.0 %	(See Packaging table)	The 5 digit BV number will be encoded using a 36 character code. This code contains numbers 0...9 and letters A...Z (36 characters total) and allows to encode at least 46 655 five digit BV numbers. **000** = Standard

Historical Part Number Example: G204 39K 5 % AB G73 (will continue to be accepted)

G204	39K	5 %	AB G73
HISTORICAL MODEL	VALUE	TOLERANCE	PACKAGING

PACKAGING TABLE			
SAP	**DRALORIC LEGACY**	**DESCRIPTION**	**TYPE**
2C	AC G53	Ammo pack tape 53 mm, 500 pieces	G202
4B	AB G73	Ammo pack tape 73 mm, 250 pieces	G204
4C	AC G73	Ammo pack tape 73 mm, 500 pieces	G202
7B	AB G88	Ammo pack tape 88 mm, 250 pieces	G204
8B	AB G88 CL	Ammo pack tape 88 mm, CL, 250 pieces	G204
D1	R1 G53	Reel pack tape 53 mm, 1000 pieces	G202
F1	R1 G73	Reel pack tape 73 mm, 1000 pieces	G202
FC	RC G73	Reel pack tape 73 mm, 500 pieces	G204
IC	RC G88	Reel pack tape 88 mm, 500 pieces	G204
LA	LA	loose pack, 100 pcs	G206, G207
LD	-	loose pack, 50 pieces	G204
LJ	-	loose pack, 200 pieces	G204
LL	-	loose pack, 400 pieces	-

DIMENSIONS



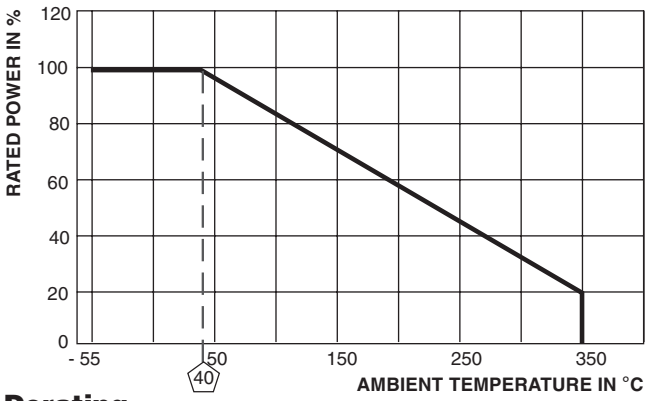
For packaging dimensions see separate packaging dimensions page.

MODEL	**DIMENSIONS** in millimeters [inches]				
	$A_{max.}$	$B_{max.}$ (1)	C (2)	$D_{min.}$	Weight (g)
G 202	13 [0.512]	5.7 [0.224]	0.8 [0.031]	53 ± 1 [2.087 ± 0.039]	1
G 204	19.3 [0.760]	8.5 [0.335]	0.8 [0.031]	73 ± 1 [2.874 ± 0.039]	2.2
G 206	32.3 [1.272]	9.8 [0.386]	0.8 [0.031]	107 ± 2 [4.213 ± 0.079]	6.5
G 207	49.3 [1.941]	10.5 [0.413]	0.8 [0.031]	120 ± 2 [4.724 ± 0.079]	10

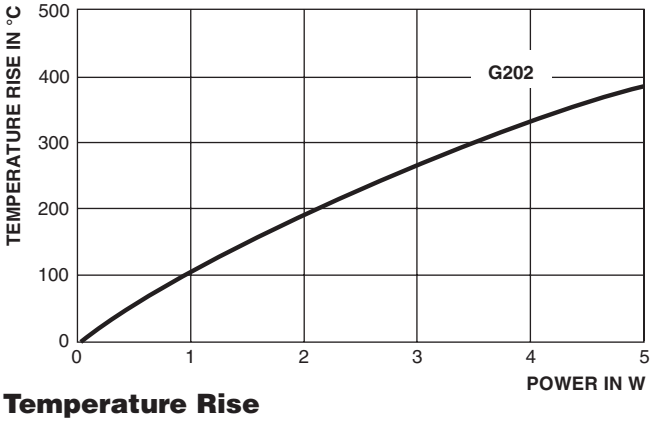
Note

(1) The body diameter should be increased by 1 mm [0.039"] for ohmic values ≤ 10 Ω

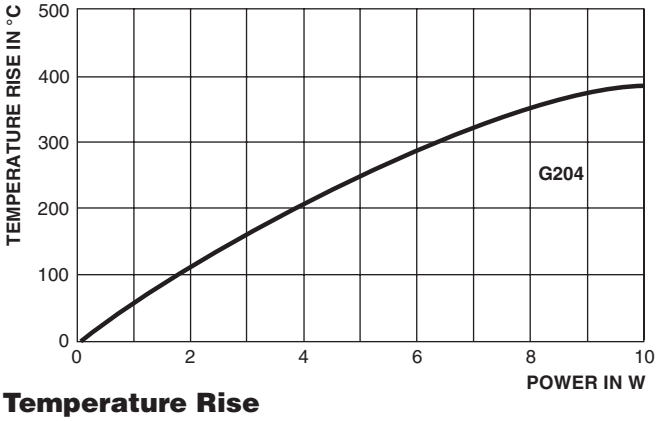
(2) C according to IEC60301



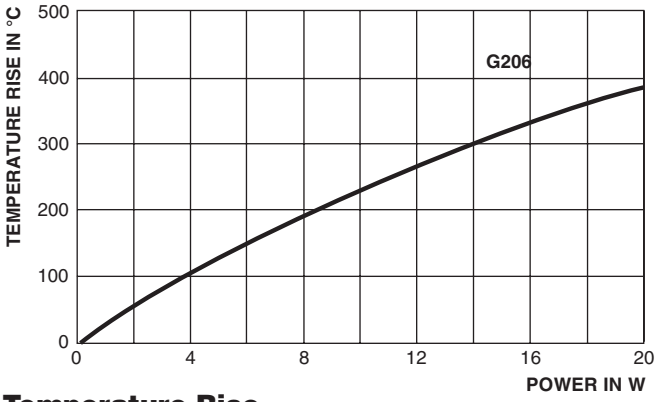
Derating



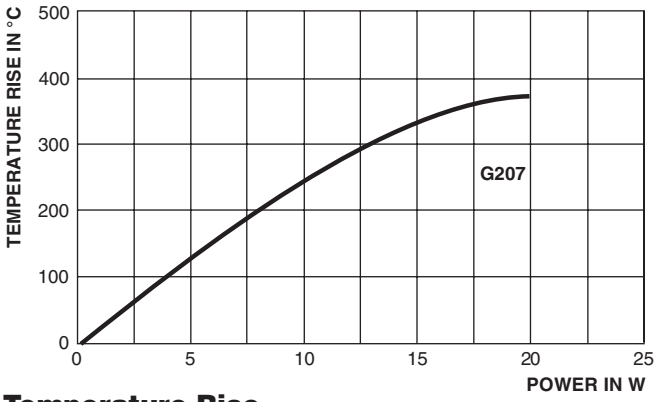
Temperature Rise



Temperature Rise



Temperature Rise



Temperature Rise

PERFORMANCE	
TEST	**TEST RESULTS**
Damp Heat, Steady State	± 5 % ΔR
Climatic Sequence	± 5 % ΔR
Load Life	± 5 % ΔR
Short Time Overload	± 1 % ΔR
Vibration	± 1 % ΔR
Shock	± 1 % ΔR
Resistance to Soldering Heat	± 1 % ΔR

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