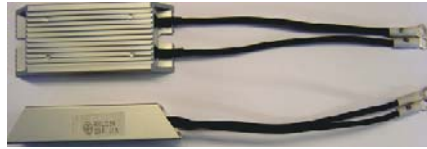


Wirewound Resistors, Aluminium Housed, Chassis Mount

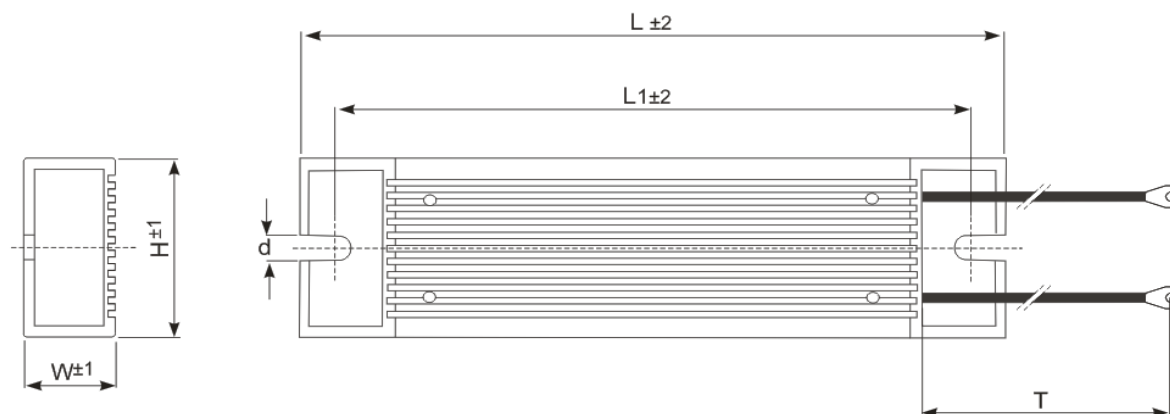


ELECTRICAL SPECIFICATIONS

Type		RXLG40	RXLG50	RXLG60	RXLG65	RXLG80	RXLG100	RXLG120	RXLG150	RXLG200	RXLG300	RXLG400	RXLG500
Nominal Power rating P_{25}	[W]	40	50	60	65	80	100	120	150	200	300	400	500
Resistance range	[Ω] $\begin{matrix} \text{min} \\ \text{max} \end{matrix}$	$\begin{matrix} 0R5 \\ 200R & 300R & 430R & 400R & 910R & 1K & 1K2 & 1K5 & 2K4 & 2K7 & 3K9 & 6K2 \end{matrix}$											
E-Series		E24											
Tolerances	$\pm$ [%]	5(J) , 10(K)											
Temperature coefficient	[$10^{-6} \cdot K^{-1}$]	± 260											
Temperature range	[$^{\circ}C$]	-40 ... +300											
Dielectric withstanding voltage <i>IEC115-1 clause 4.7 (1[min])</i>	[V]	2000											
Max. working voltage	[V] _{RMS}	$\sqrt{P_{25} \cdot R}$											
Insulation resistance <i>IEC115-1 clause 4.6</i>	[Ω]	> 10M											

PERFORMANCE DATA

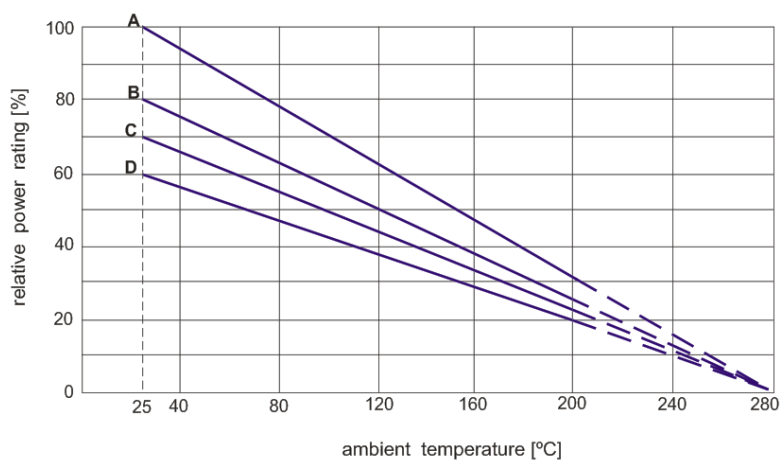
Derating linear	[$^{\circ}C$]	See diagram
Climatic category		55/300/56
Failure Rate <i>(Total, θ_J, max, 60% cont. lev.)</i>	[$10^{-9} h^{-1}$]	appr. 10 depends on value
Endurance <i>IEC60115-1 clause 4.25 (P_{75}, @ 25[$^{\circ}C$], 1000[h])</i>	$\pm$ [%]	5,0
Damp heat, steady state <i>IEC115-1 clause 4.24 (40[$^{\circ}C$], 93[% r.h.], 56[d])</i>	$\pm$ [%]	5,0
Climatic sequence <i>IEC115-1 clause 4.23</i>	$\pm$ [%]	2,0
Terminal Tensile Strength	[N]	50
Resistance to soldering heat <i>IEC115-1 clause 4.12 (260[$^{\circ}C$], 10[s])</i>	$\pm$ [%]	N / A
Solderability <i>IEC 60068-2-20 (245$\pm$3[$^{\circ}C$] 3$\pm$0,3[s])</i>	[s]	N / A
Marking <i>IEC60062</i>		Printed in clear



Type	L	L1	H	W	T	d
RXLG40	95	84	40	20	160 ⁺³⁰	4,2
RXLG50	118	100	40	20		
RXLG60	115	98	40	20		
RXLG65	150	134	40	20		
RXLG80	140	123	40	20	300 ^{±10}	5,6
RXLG100	165	148	40	20		
RXLG120	190	173	40	20		
RXLG150	215	198	40	20		
RXLG200	165	147	60	30		
RXLG300	215	197	60	30		
RXLG400	265	247	60	30		
RXLG500	335	317	60	30		

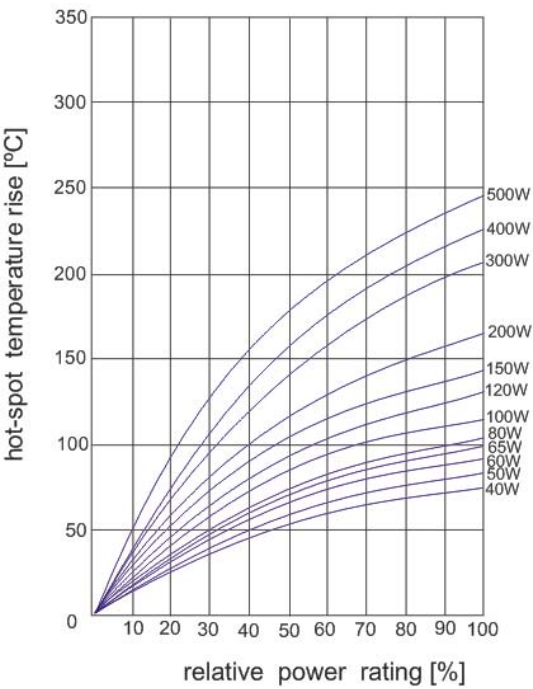
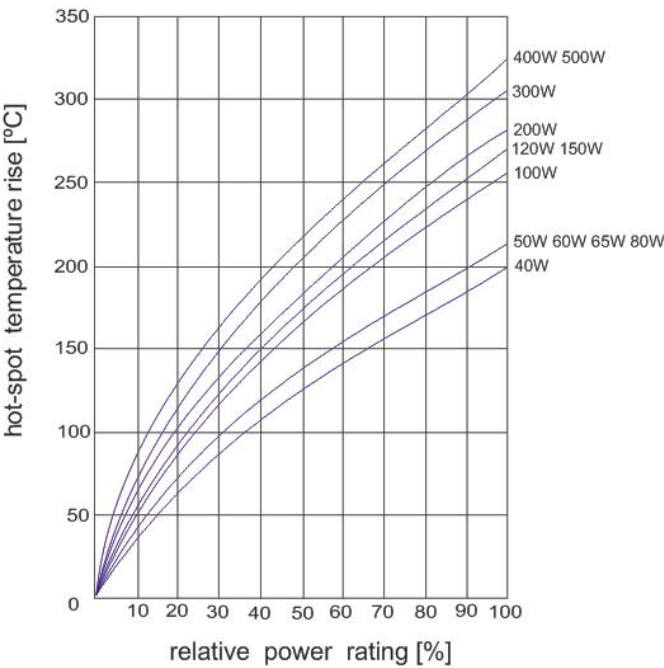
ELECTRICAL CHARACTERISTICS

Derating Curve



Note: A heat – sink 200x200x3mm (40W ... 150W) - heat – sink 400x400x3mm (200W ... 500W)
 B without heat – sink (40W ... 150W)
 C without heat – sink (200W , 300W)
 D without heat – sink (400W , 500W)

Temperature Rise Curve



ORDERING EXAMPLE

RXLG200	5	B	1R
Type	Tolerance	Pack-Code B = bulk	R-Value