

High Power Resistors, Aluminium Housed, Chassis Mount - Vertical Model



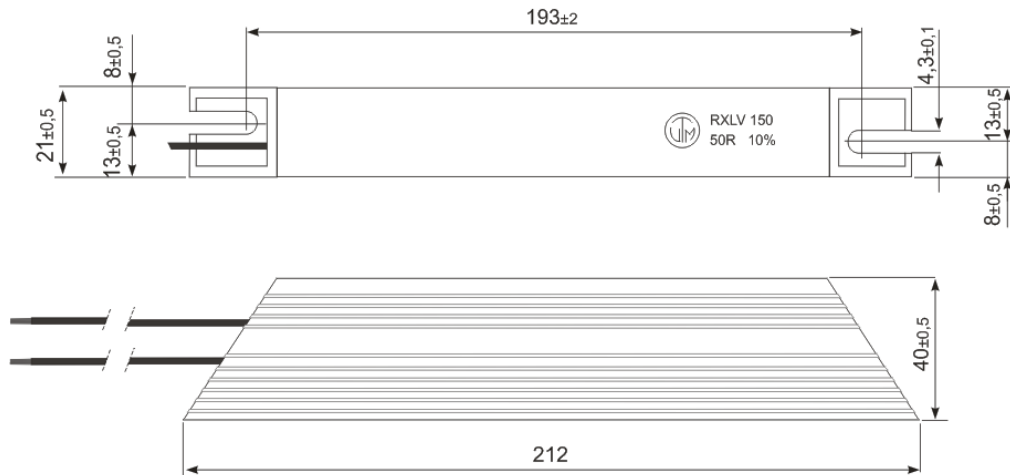
ELECTRICAL SPECIFICATIONS

Type		RXLV-150
<u>Nominal Power rating</u> P ₂₅	[W]	150
	min	0R5
<u>Resistance range</u>	[Ω] max	1K5
<u>E-Series</u>		E24
<u>Tolerances</u>	± [%]	5(J) , 10(K)
<u>Temperature coefficient</u>	[10 ⁻⁶ *K ⁻¹]	±260
<u>Temperature range</u>	[°C]	-40 ... +300
<u>Dielectric withstanding voltage</u> <i>IEC115-1 clause 4.7 (1[<i>min</i>])</i>	[V]	2000
<u>Max. working voltage</u>	[V] _{RMS}	$\sqrt{P_{25} * R}$
<u>Insulation resistance</u> <i>IEC115-1 clause 4.6</i>	[MΩ]	> 10

PERFORMANCE DATA

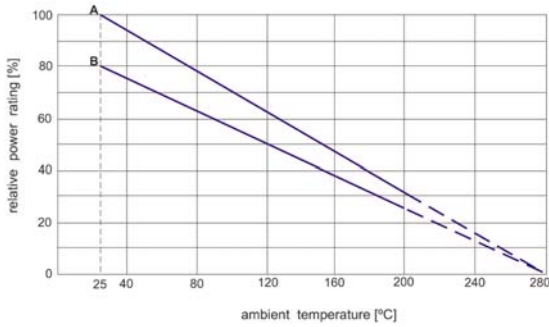
<u>Derating linear</u>	[°C]	See diagram
<u>Climatic category</u>		55/300/56
<u>Failure Rate</u> <i>(Total, θ_p, max, 60% cont. lev.)</i>	[10 ⁻⁹ h ⁻¹]	appr. 10 depends on value
<u>Endurance</u> <i>IEC60115-1 clause 4.25 (P₂₅, @ 25[°C], 1000[h])</i>	±[%]	5,0
<u>Damp heat, steady state</u> <i>IEC115-1 clause 4.24 (40[°C], 93[% r.h.], 56[d])</i>	±[%]	5,0
<u>Climatic sequence</u> <i>IEC115-1 clause 4.23</i>	±[%]	2,0
<u>Terminal Tensile Strength</u>	[N]	50
<u>Resistance to soldering heat</u> <i>IEC115-1 clause 4.12 (260[°C], 10[s])</i>	± [%]	N / A
<u>Solderability</u> <i>IEC 60068-2-20 (245^{±3}[°C] 3^{±0,3}[s])</i>	[s]	N / A
<u>Marking</u> <i>IEC60062</i>		Printed in clear

DIMENSIONS [mm]



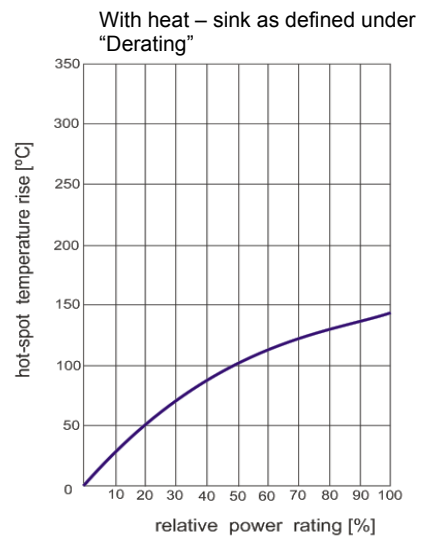
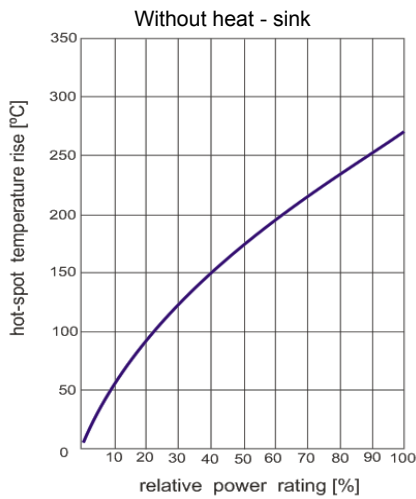
ELECTRICAL CHARACTERISTICS

Derating Curve



Note: **A** heat – sink 200x200x3mm (150W)
B without heat – sink (150W)

Temperature Rise Curve



ORDERING EXAMPLE

RXLV150	10	B	50R
Type	Tolerance	Pack-Code B = bulk	R-Value