



RXL Series Datasheet

High Power Wirewound Resistor | Cables Connection
Aluminium Case | Ceramic Core

ORDERING CODE - Example

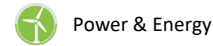
New SAP Part Nr.:

RXL	60A	J	B	-	AX-	130R	AA
Serie	Power rating	Tol.	Pack-Code	TCR	Forming type	R Value	Special
	60A = 60W 80A = 80W 12B = 120W	J = ±5% K = ±10%	B = (Bulk)	- Base on spec.	AX- = Axial		AA = Standard

Historical VTM Part Nr.:

RXL60	5	B	130R
Type	Tol.	Pack-Code	R Value

APPLICATIONS



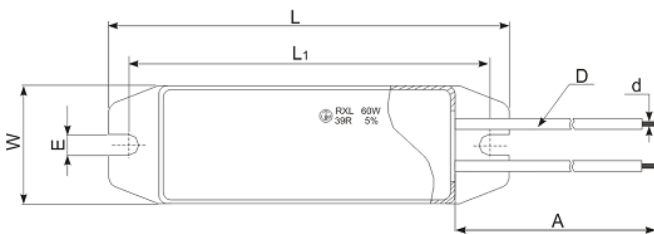
FEATURES

- Chassis mounting
- Excellent heat resistance
- Compact size Vs power rating
- RoHS and REACH Compliant

ELECTRICAL SPECIFICATIONS

Type		RXL60A	RXL80A	RXL12B
Historical Part Number		RXL60	RXL80	RXL120
Nominal Power Rating P_{70}^*	[W]	60	80	120
Resistance Value	[Ω]		1R ... 10K	
E-Series			E24	
Tolerance	±[%]		5 (J), 10 (K)	
Temperature Coefficient	±[10 ⁻⁶ K ⁻¹]		200	
Working Temperature Range	[°C]		-40 ... +300	
Max. Working Voltage	[KV] _{RMS}		1.5	
Dielectric Withstanding Voltage IEC115-1 clause 4.7 (1[min])	[KV]		1	

DIMENSIONS [mm]



Type	Historical P/N:	L ^{±1}	W ^{±1}	H ^{±0,5}	L ₁ ^{±1}	L ₂ ^{±1}	E	D*	d	A*
RXL60A	RXL60	100	30	13	60	75	4.5			
RXL80A	RXL80	150	34	21	140	125	5	~2.0	~0.88	200
RXL12B	RXL120	182	42	21	172	150	6			

* Can be customized under request

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PERFORMANCE DATA

Type		RXL60A	RXL80A	RXL12B
Historical Part Number		RXL60	RXL80	RXL120
Derating Linear	[°C]	70...300 (0W)		
Climatic Category		40/300/56		
Surface Temperature Rise	[°C]	≤ 350		
Short Time Overload <i>IEC60115-1 clause 4.13</i> <i>($U=5 \cdot \sqrt{P_{70} \times R}$, 5[s])</i>	±[%]	2,0		
Endurance <i>IEC60115-1 clause 4.25</i> <i>(P_{70} @ 70[°C], 1000[h])</i>	±[%]	3,0		
Flame Retardant <i>(1 ~ 6 times rated power)</i>		No flash over or arcing		
Resistance to Soldering Heat <i>IEC60115-1 clause 4.18</i> <i>(350[°C])</i>	±[%]	2,0		
Thermal Shock <i>Rated power dissipation voltage for 30[min.]</i> <i>40[°C], after 15 [min.]</i>	±[%]	2,0		
Vibration <i>IEC60115-1 clause 4.22</i>	±[%]	2,0		
Marking <i>IEC60062</i>		Printed in clear		
Housing material		Aluminium		

PACKAGING

The standard packaging for RXL in axial type is bulk, dimensions below.

Type	Historical P/N:	Pack Code	SPQ
RXL60A	RXL60	B = Bulk	32
RXL80A	RXL80		20
RXL12B	RXL120		20