

RXH 60B – 18C Series Datasheet

High Power Wirewound Resistors | Aluminium Alloy Housed

ORDERING CODE - Example

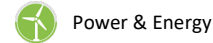
New SAP Part Nr.:

RXH	60B	J	B	-	AX-	1R5	AA
Serie	Power rating	Tol.	Pack-Code	TCR	Forming type	R Value	Special
	60B = 600W 80B = 800W 10C = 1KW 12C = 1,2KW 15C = 1,5KW 18C = 1,8KW	J = ±5% K = ±10%	B = Bulk	- Base on spec.	AX=Axial Forming		AA = Standard

Historical VTM Part Nr.:

RXLG600	5	B	1R5
Type	Tol.	Pack-Code	R Value

APPLICATIONS



Power & Energy

FEATURES

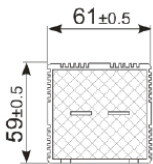
- Other ohmic values available upon request
- Heat and mechanical shock protected
- High Voltage
- Brake Resistor
- RoHS & REACH Compliant

ELECTRICAL SPECIFICATIONS

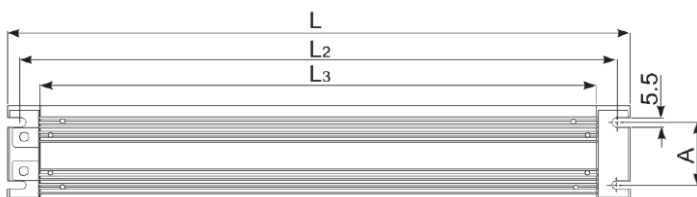
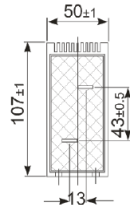
Type		RXH60B	RXB80B	RXH10C	RXH12C	RXH15C	RXH18C
Historical part number		RXLG600	RXLG800	RXLG1000	RXLG1200	RXLG1500	RXLG1800
Nominal Power Rating P_{70}	[W]	600	800	1000	1200	1500	1800
Resistance Value	[Ω]	R1 ... 150R					
Tolerances	±[%]	5 (J), 10 (k)					
Temperature Coefficient	±[10 ⁻⁶ *K ⁻¹]	± 400					
Working Temperature Range	[°C]	-40 ...+300					
Thermal resistance	[KW ⁻¹]	0,38	0,28	0,23	0,19	0,18	0,13
Dielectric Withstanding Voltage IEC115-1 clause 4.7 (50[Hz/1minute], ≤1mA, 2000V)	[V] _{RMS}	2000					
Maximum Working Voltage		$\sqrt{P_{70} \times R}$					

DIMENSIONS [mm]

RXH60B



RXH 80B – 18C



Type	Historical P/N:	L ⁺²	L ₂ ⁺¹	L ₃ ⁺¹	A
RXH60B	RXLG600	355	337	313	40 ⁺⁵
RXH80B	RXLH800	350	334	309	30,5 ^{+0,2}
RXH10C	RXLG1000	400	384	359	30,5 ^{+0,2}
RXH12C	RXLG1200	450	434	409	30,5 ^{+0,2}
RXH15C	RXLG1500	485	469	444	30,5 ^{+0,2}
RXH18C	RXLG1800	500	484	469	30,5 ^{+0,2}

RXH Series Datasheet

PERFORMANCE DATA

Type		RXH60B	RXH80B	RXH10C	RXH12C	RXH15C	RXH18C
Historical Part Number		RXLG600	RXLG800	RXLG1000	RXLG1200	RXLG1500	RXLG1800
Failure Rate	[10 ⁻⁹ h ⁻¹]	appr. 100 depends on value					
Short Time Overload <i>IEC60115-1 clause 4.13</i> <i>(U=2,25*√P₇₀*R, 5[s])</i>	±[%]	2,0					
Endurance <i>IEC60115-1 clause 4.25</i> <i>(P₇₀ @ 70[°C], 500[h]), 1,5[h]ON ; 0,5[h]OFF)</i>	±[%]	5,0					
Thermal Shock <i>Rated power dissipation voltage for 30[min.]</i> <i>40⁻⁵[°C], 8~12[sec.], after 15 [min.]</i>	±[%]	2,0					
Damp Heat, Steady State <i>IEC60115-1 clause 4.24 ; IEC60068-2-78</i> <i>(40[°C], 93[% r.h.], 56[d])</i>	±[%]	2,0					
Vibration <i>IEC60115-1 clause 4.22</i> <i>(1,5[mm] 10~55[Hz/1minute], X,Y,Z 2[h/each])</i>	±[%]	2,0					
Surface temperature rise	[°C]	≤ 650					
Marking <i>IEC60062</i>		Printed in clear					

PACKAGING

The standard packaging is bulk, info below.

Type	Historical P/N:	Pack Code	SPQ
RXH60B	RXLG600	B = Bulk	1
RXH80B	RXLH800		
RXH10C	RXLG1000		
RXH12C	RXLG1200		
RXH15C	RXLG1500		
RXH18C	RXLG1800		