

RXF Series Datasheet

Cement Resistors Fusible Thermal | Radial | Moisture – proof

ORDERING CODE - Example

New SAP Part Nr.:

RXF	160	J	B	R	RD-	5R1	AA
Serie	Power rating	Tol.	Pack-Code	Mark of fusing Protector	Forming type	R Value	Special
	160 = 1.6[W] 180 = 1.8[W] 200 = 2.0[W] 210 = 2.1[W] 220 = 2.2 [W] 240 = 2.4[W] 350 = 3.5 [W]	J = 5% K = 10%	B = Bulk	* according to "Electrical characteristics" table on page 2	RD- = Radial		AA = Standard

Historical VTM Part Nr.:

RXF5	R	5	B	5R1
Type	Mark fusing protector	Tol.	Pack-Code	R Value

APPLICATIONS

- Computer & Peripherals
- Industrial
- Power & Energy
- Consumer & Electronics

FEATURES

Rated Current: 2A, 3A, 5A, 10A

High power Vs compact size

Fusible thermal function

Flameproof cement case

Excellent performance for surge

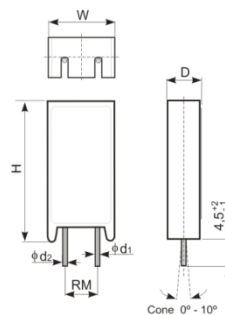
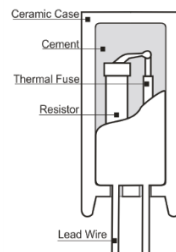
Vertical terminal

RoHS & REACH compliance

ELECTRICAL SPECIFICATIONS

Type		RXF (Low)	RXF (Medium)	RXF (High)
Historical Part Number		RXF5	RXF7	RXF10
Nominal Power Rating P_{25}	[W]	See table below		
Resistance Range (Other upon request)	[Ω]	1R ... 10K		
E-Series (Preferred. Other upon request)		E24		
Tolerances	\pm [%]	J = 5% , K = 10%		
Temperature Coefficient	\pm [$10^{-6} K^{-1}$]	250		
Working Temperature Range	[$^{\circ}C$]	-25 ... +125		
Max. Working Voltage	[V] _{RMS}	250		

DIMENSIONS [mm]



New P/Nr. Type	Historical P/Nr.	H \pm 1,5	W \pm 1,0	D \pm 1,0	RM $\begin{smallmatrix} +2,0 \\ -1,0 \end{smallmatrix}$	ϕ d1 \pm 0,1	ϕ d2 \pm 0,1
RXF (Low)	RXF5	25,0	13,0	9,0	5,0	0,8	According to fusing protector standard current: 0,6 = 2A, 3A, 5A 1,0 = 10A
RXF (Medium)	RXF7	38,0	13,0	9,0	5,0		
RXF (High)	RXF10	35,0	16,0	12,0	7,5		

RXF Series Datasheet

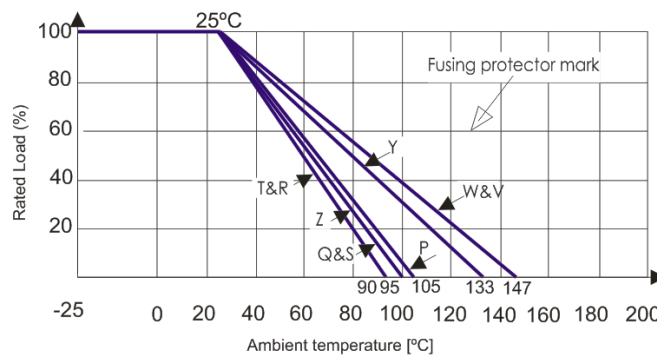
PERFORMANCE DATA

Type		RXF (Low)	RXF (Medium)	RXF (High)
Historical Part Number		RXF5	RXF7	RXF10
Short Time Overload <i>IEC60115-1 clause 4.13</i> $(U=25 * \sqrt{P_o * R}, 5[s])$	±[%]		2	
Damp Heat, Steady State <i>IEC60115-1 clause 4.24</i> $(40^{±2}[^{\circ}C], 90\sim95[\% r.h.], 1000[h])$	±[%]		5	
Robustness of terminations <i>IEC115-1 clause 4.16</i> $(\geq 2,5[Kg] \text{ for } 10[s])$	[N]		25	
Marking <i>IEC60062</i>			Printed in clear	

ELECTRICAL CHARACTERISTICS

Fusing Protector Mark	Standard Current [A]	Fusing Temperature [°C]	Power Rating [W]		
			Low	Medium	High
P	2A	145±4	2.1	2.4	---
Q		135±4	1.8	2.2	---
R		130±4	1.6	2.1	---
S	3A	135±4	1.6	2.1	---
T		145±4	1.6	2.2	---
V	5A	187+1/-3	2.1	2.4	---
W	10A	226+1/-3	2.0	2.4	3.5
Y		188+3/-1	2.0	2.4	3.5
Z		152±4	1.6	2.0	2.5

DERATING CURVE



PACKAGING

The standard packaging for RXF in radial type is bulk.



New P/Nr. Type	Historical P/N:	SPQ	Pack Code	Forming Type
RXF (Low)	RXF5	176	B = Bulk	RD- = Radial
RXF (Medium)	RXF7	108		
RXF (High)	RXF10	108		