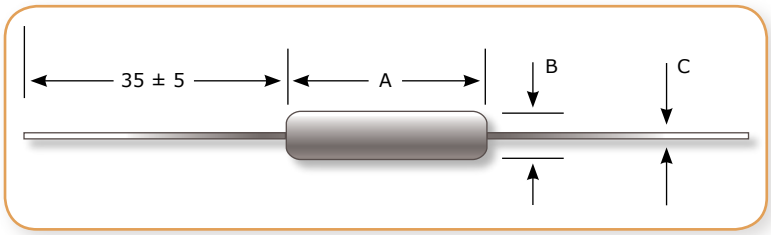
PK Pulstors Resistors for high voltage peak pulsing energy control , high frequency non-inductive

PK;Pulse Killer; Pulstors,High Voltage(Vp),Fastest Pulsing Energy

Willow offers the 'Pulstor' series to meet high frequency PULSING powers; applications short width but high voltage high energy controlling , pulse energy on the skin-effect at high frequency, various range of resistive value.



DIMENSIONS [mm]



Model Nr.	Power (W)	Resistance [ohm] Min. Max.	Dimensions in millimeters						SMD type
			A	B (dia)	C	pins * spacing (center to center)	pins * width (center to center)	pin size	
PK2	2	1R 2M	24.0+/-1.0	8.0+/-1.5	1.0 x 2wire Axial	N/A	N/A	N/A	avail-able
PK3	3.5	3R 2M	39.0+/-1.0	8.0+/-1.5	1.0 x 2wire Axial	N/A	N/A	N/A	avail-able
PK5	5	5R 2M	52.0+/-1.0	8.0+/-1.0	1.0 x 2wire Axial	N/A	N/A	N/A	avail-able
PK10	10	1.5R 2M	42.0+/-1.5	18.0+/-1.0	N/A	11.5+/-0.2	49.3+/-0.3	0.3 x 2.5	**
PK15	15	2.5R 2M	60.0+/-1.5	18.0+/-1.0	N/A	11.5+/-0.2	49.3+/-0.3	0.3 x 2.5	**

** If neccesary SMD , then the user able to bend 4 terminals in semi-flexible which made for the soldering pads
* pins made of brass , on semi-flexible status , adjustable pins width

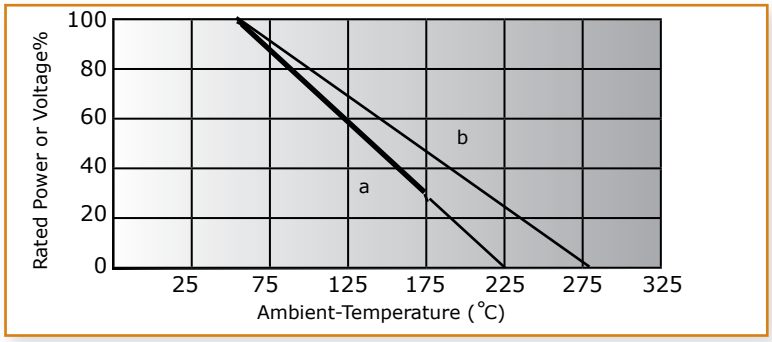
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Model Nr.	1) Voltage		Max Single-Pulse Energy [J] *	2) Voltage at 22kΩ~2MΩ	
	applicable R-Value[Ω]	Repetive Pulse [kVp]		Max. Continuous Voltage [kVp]	1.2/50μs single pulse
PK2	1 ~ 20K	1.5	300	3.5	7
PK3	3 ~ 20K	2.0	500	7	14
PK5	5 ~ 20K	2.5	950	10	20
PK10	1.5 ~ 20K	3	1500	8	15
PK15	2.5 ~ 20K	3.5	2500	12	22

+ Custom R-Value on Request.
++ high voltage energy products voulunerble by a lot of factors , so would better use small q'ty as an order first and get test results, place main order
• Pulse width shall be less than 10 μs at 1R ~ 20kΩ ,and less than 10ms at 22kΩ~2MΩ
1) less than 10 μs pulse width, limited by allowable power rating
2) continous pulsing or dc , ac, they are limited by allowable power rating

Derating curve



cf. a ; epoxy conformal coat b; glass coat

Specifications

Resistance Tolerance :
10% Typ, 2%, 5% availble

Temperature Coefficient :
Std. 100ppm/°C typ., referenced to 25°C, from -15°C to +105°C, other TCR available upon requests.

Thermal Shock :
Mil-Std-202F, Method107 Cond. C, dR 2.0% typ.

Load Life :
1.000 hours at rated Pulse power dR 5.0%

Repetive High Voltage Impulsing :
10,000cycles 1sec on 1sec off dR 2.0%

Moisture Resistance :
Mil-Std-202, Method 106, dR 1.0% typ.

Lead Material :
PK2 PK3 PK5 ; dia 1mm tinned copper wire
PK10 PK15 ; Ni plated brass 4 terminals in radial

Insulation Resistance :
10,000Megohms Min.

Termination Cap of Material :
Tinned Cap / Ni plated brass cap

Encapsulation :
High temp. epoxy conformal / Silicone conformal / Glass coat

cf.: The described specifications & dimensions subject to change without notice.

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