

Series 900

Disk and Washer Resistors

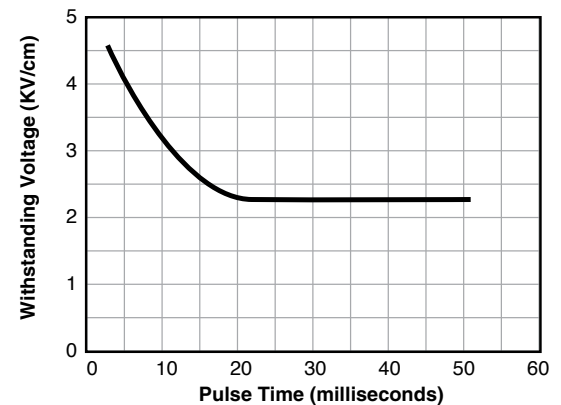
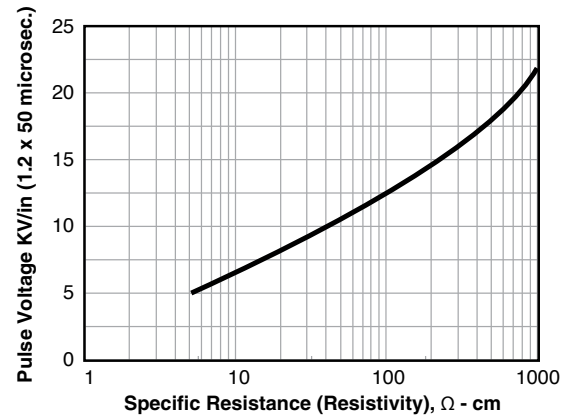


SPECIFICATIONS

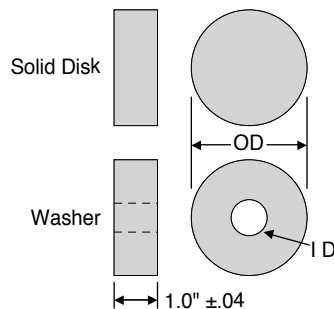
Type	Style	Res. range (Ω)	Peak energy (J)	Typical weight (g)
911DS	Disk	1.6-100	9,000	80
912DS	Disk	0.7-90	21,000	165
913DS	Disk	0.5-56	33,000	275
914DS	Disk	0.3-36	52,500	455
913WS	Washer	0.5-78	27,600	230
914WS	Washer	0.3-36	47,000	380
915WS	Washer	0.2-28	65,500	575
916WS	Washer	0.2-24	79,500	685
917WS	Washer	0.2-20	80,500	775
918WS	Washer	0.1-13	120,000	1100

CHARACTERISTICS

Resistance Tolerance	R \pm 10%
Metalization	Brass (on flat surfaces)
Coating	Dielectric Coating on OD and ID
Density	2.2 - 2.6g/cc
Specific Heat	0.22-0.24 cal/g- $^{\circ}$ C
Maximum Operating Temperature	230 $^{\circ}$ C
Thermal Conductivity	0.003-0.006 cal/(cm- $^{\circ}$ C-sec)
Allowable Injection Energy	300 Joules/cc
Resistance Temperature Coefficient	-0.0% to -0.1%/ $^{\circ}$ C
Rated Peak Voltage	5 KV
Recommended Contact Pressure	25 psi minimum, 50-100 psi preferred
Power Rating	Dependent on mounting and exposed surface area. In free air, parts will safely dissipate 2.5 watts per square inch.
Coefficient of Thermal Expansion	4-6 X 10 ⁻⁶ / $^{\circ}$ C
Allowable Peak Voltage	5.8 KV/in



DIMENSIONS



Part No.	I.D. (in.)	O.D. (in.)
911DS	--	1.60 \pm 0.06
912DS	--	2.37 \pm 0.06
913DS	--	3.00 \pm 0.08
914DS	--	3.75 \pm 0.08
913WS	1.2 \pm 0.06	3.00 \pm 0.08
914WS	1.3 \pm 0.06	3.75 \pm 0.08
915WS	1.2 \pm 0.06	4.37 \pm 0.08
916WS	1.2 \pm 0.06	4.75 \pm 0.08
917WS	1.3 \pm 0.06	5.00 \pm 0.08
918WS	1.3 \pm 0.06	5.90 \pm 0.08