

# Series 900

## Disk and Washer Resistors

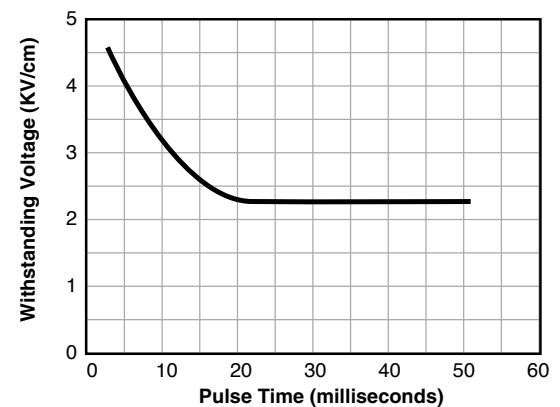
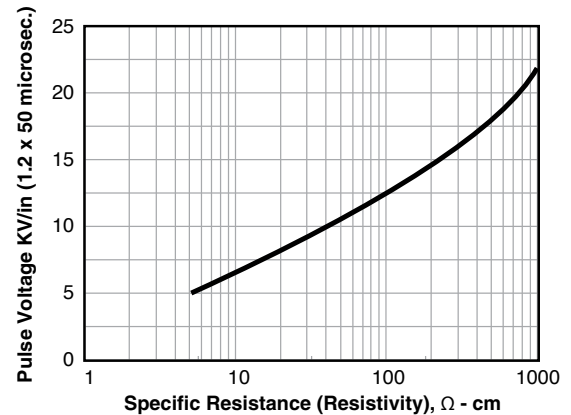


### SPECIFICATIONS

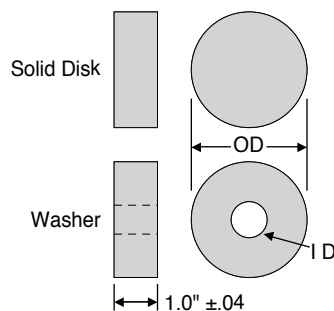
Type	Style	Res. range ( $\Omega$ )	Peak energy (J)	Typical weight (g)
911DS	Disk	1.6-100	9,000	80
912DS	Disk	0.7-90	21,000	165
913DS	Disk	0.5-56	33,000	275
914DS	Disk	0.3-36	52,500	455
913WS	Washer	0.5-78	27,600	230
914WS	Washer	0.3-36	47,000	380
915WS	Washer	0.2-28	65,500	575
916WS	Washer	0.2-24	79,500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

### CHARACTERISTICS

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