Series 900

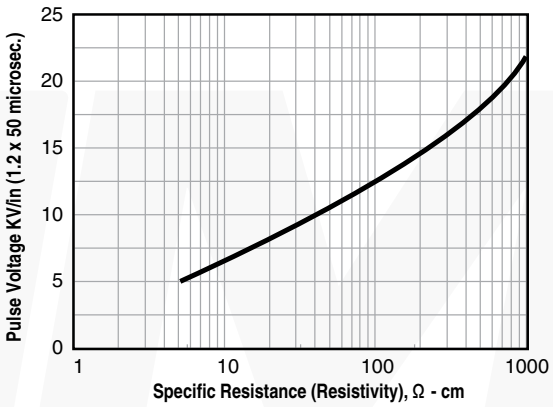
Disk and Washer Resistors

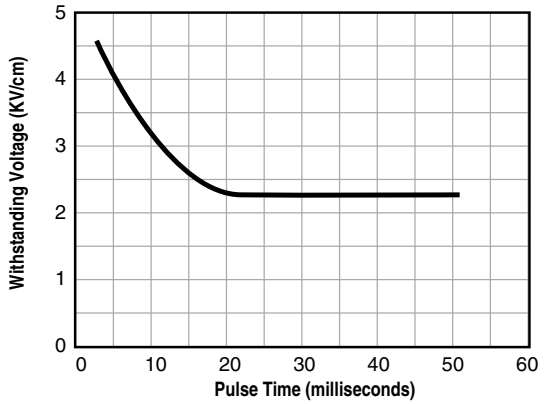
SPECIFICATION

Type	Style	Res. range (Ω)	Peak energy (J)	Watts	Typical weight (g)
911DS	Disk	10-750	9,000	9.5	80
912DS	Disk	5-350	21,000	12	165
913DS	Disk	3-220	33,000	14	275
914DS	Disk	2-140	52,500	16	455
915DS	Disk	1.5-100	70,000	18	608
913WS	Washer	3.5-260	27,600	14	230
914WS	Washer	2-160	47,000	16	380
915WS	Washer	1.5-110	65,500	18	550
916WS	Washer	1.25-90	79,500	19	660
917WS	Washer	1.1-80	80,500	20	750
918WS	Washer	0.8-60	120,000	22	1050

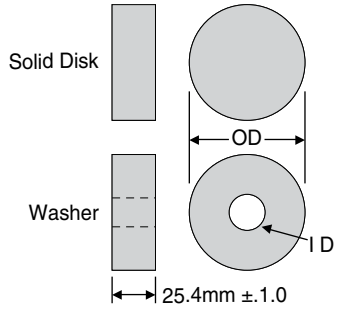
CHARACTERISTICS

Resistance Tolerance	R ±10%
Metalization	Aluminum (on flat surfaces)
Coating	Dielectric Coating on OD and ID
Density	2.2 - 2.6g/cc
Specific Heat	0.22-0.24 cal/g-°C
Maximum Operating Temperature	230°C
Thermal Conductivity	0.003-0.006 cal/(cm-°C-sec)
Allowable Injection Energy	300 Joules/cc
Resistance Temperature Coefficient	-0.0% to -0.1%/°C
Rated Peak Voltage	5 KV
Assembly Mounting Force	Force (kg) = $24x(D_o - D_i)^{0.7}$ (±50%)
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 /°C
Allowable Peak Voltage	5.8 KV/in
Resistor Drying	Ceramic Resistors are porous and absorb moisture, this should be removed from the discs prior to use. Dry the discs in an oven at 110 - 120°C for 24 hours. Place discs in a sealed container with silica gel.





DIMENSIONS



Part No.	I.D. (mm)	O.D. (mm)
911DS	–	41 ±1.52
912DS	–	60 ±1.52
913DS	–	76 ±2.03
914DS	–	95 ±2.03
915DS	–	111 ±2.03

Part No.	I.D. (mm)	O.D. (mm)
913WS	30.5 ±1.52	76 ±2.03
914WS	33 ±1.52	95 ±2.03
915WS	30.5 ±1.52	111 ±2.03
916WS	30.5 ±1.52	121 ±2.03
917WS	33 ±1.52	127 ±2.03
918WS	33 ±1.52	150 ±2.03

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