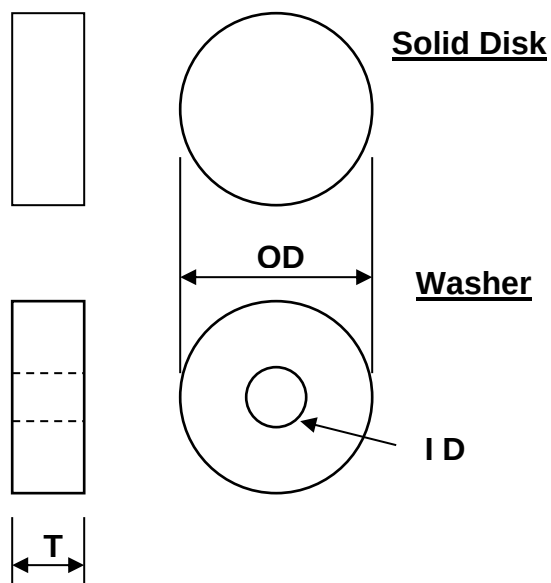


Series 900 Disk and Washer Resistors

Product Information



Dimensions and Electrical Specifications

Type	Style	ID (Inches)	OD (Inches)	T (Inches)	Peak Energy (Joules)	Resistance (Ohms)		Typical Weight (Grams)
						Min	Max	
911DS	Disk	--	1.60 ± 0.06	1.0 ± 0.04	9,000	1.6	100	80
912DS	Disk	--	2.37 ± 0.06	1.0 ± 0.04	21,000	0.7	90	165
913DS	Disk	--	3.00 ± 0.08	1.0 ± 0.04	33,000	0.5	56	275
914DS	Disk	--	3.75 ± 0.08	1.0 ± 0.04	52,500	0.3	36	455
913WS	Washer	1.2 ± .06	3.00 ± 0.08	1.0 ± 0.04	27,600	0.5	78	230
914WS	Washer	1.3 ± .06	3.75 ± 0.08	1.0 ± 0.04	47,000	0.3	36	380
915WS	Washer	1.2 ± .06	4.37 ± 0.08	1.0 ± 0.04	65,500	0.2	28	575
916WS	Washer	1.2 ± .06	4.75 ± 0.08	1.0 ± 0.04	79,500	0.2	24	685
917WS	Washer	1.3 ± .06	5.00 ± 0.08	1.0 ± 0.04	80,500	0.2	20	775
918WS	Washer	1.3 ± .06	5.90 ± 0.08	1.0 ± 0.04	120,000	0.1	13	1100

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Characteristics and Physical Properties

Resistance Tolerance: R +/- 10%

Metalization: Brass (on flat surfaces)

Dielectric Coating on OD and ID

Density: 2.2 - 2.6 gm/cc

Specific Heat: 0.22 - 0.24 cal/gm -°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

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: $4\text{-}6 \times 10^{-6} / ^\circ\text{C}$

Allowable Peak Voltage: 5.8 KV/in

