

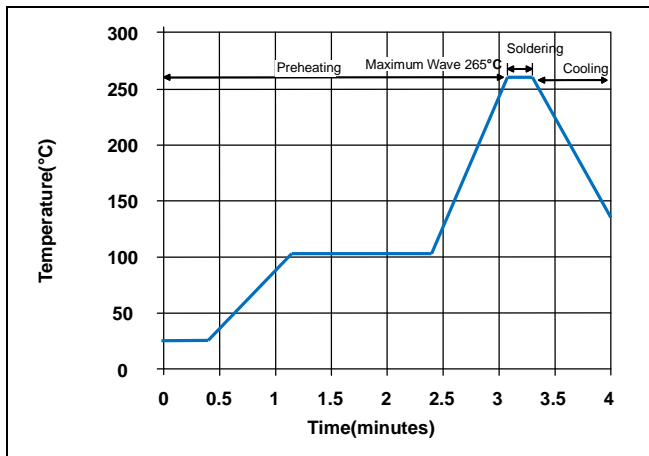


**Electrical Characteristics**

Type Number	Varistor Voltage	Max. Allowable Voltage		Max. Energy (10/1000µs)	Max. Clamping Voltage (8/20µs)		Max. Peak Current (8/20µs)	Typical Capacitance (Reference)
	V <sub>1mA</sub> (V)	V <sub>AC</sub> (V)	V <sub>DC</sub> (V)	(J)	I <sub>P</sub> (A)	V <sub>C</sub> (V)	I(A)	@1KHz(pf)
53D241K	216~264	150	200	720	500	395	60000	10060
53D391K	351~429	250	320	1250	500	650	70000	6250
53D471K	423~517	300	385	1500	500	775	70000	5125
53D511K	459~561	320	415	1590	500	845	70000	4720
53D681K	612~748	420	560	1880	500	1120	70000	3560
53D751K	675~825	460	615	1920	500	1240	70000	3240
53D781K	702~858	485	640	2025	500	1290	70000	3120
53D821K	738~902	510	670	2100	500	1355	60000	2940
53D911K	819~1001	550	745	2215	500	1500	60000	2670
53D951K	855~1045	575	760	2230	500	1570	60000	2550
53D102K	900~1100	625	825	2325	500	1650	60000	2400
53D112K	990~1210	680	895	2550	500	1815	60000	2200
53D122K	1150~1320	750	980	2625	500	1980	60000	2020
53D162K	1550~1760	1000	1320	3000	500	2640	60000	1500

**Soldering Recommendation**

**Wave Lead Free Soldering Recommendation**



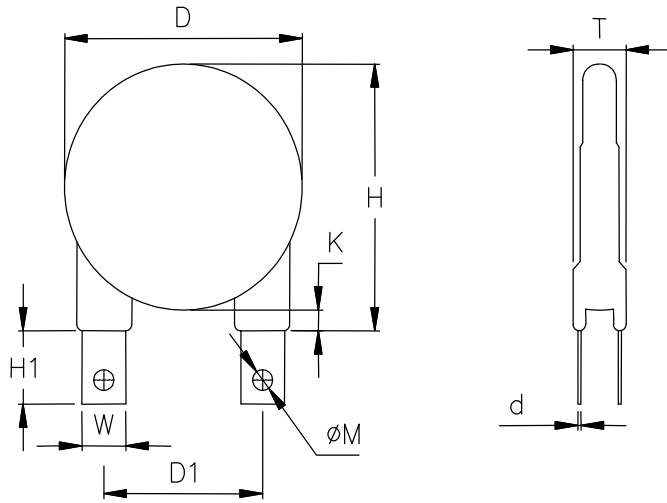
Item	Conditions
Peak Temperature	265°C
Dipping Time	10 seconds (max.)
Soldering	1 time

**Recommendation Reworking Conditions with Soldering Iron**

Item	Conditions
Temperature of Soldering Iron-tip	360°C (max.)
Soldering Time	3 seconds (max.)
Distance from Varistor	2mm (min.)



Dimensions



Symbol	Millimeters	Inches
H(max)	61	2.402
K(±2.0)	3.18	0.125
H1(±3.0)	18.5	0.728
D(max)	56	2.205
D1(±1.0)	25.4	1
T(max)	TABLE 2	
W(±1.0)	9.6	0.378
d(±0.1)	0.5/0.7	0.02/0.028
ΦM(max)	4.3	0.169

TABLE 2---T(max.)

Model	Millimeters	Inches	Model	Millimeters	Inches	Model	Millimeters	Inches
241K	6.7	0.264	751K	10.0	0.394	102K	11.2	0.441
391K	7.8	0.307	781K	10.2	0.402	112K	12.3	0.484
471K	8.3	0.327	821K	10.8	0.425	122K	13.0	0.512
511K	8.7	0.343	911K	11.2	0.441	162K	13.3	0.524
681K	9.5	0.374	951K	11.2	0.441			

