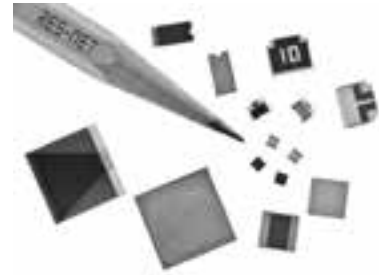
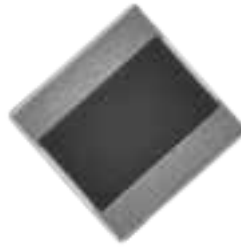




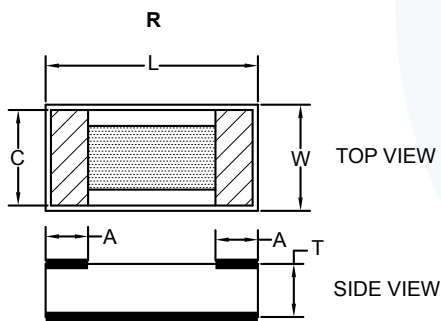
General Specifications

Substrate: Beryllium Oxide or Aluminum Nitride
Resistive Film: Thick Film
Terminals: Silver
Reliability: MIL-PRF-55342

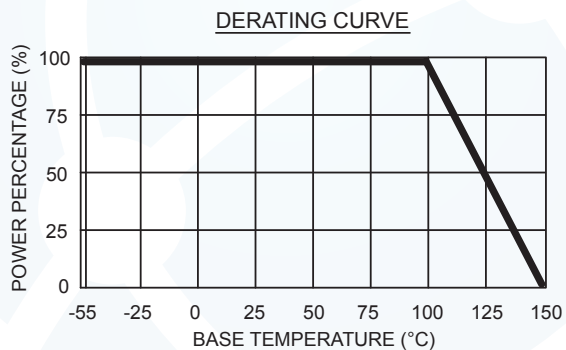


Beryllium Oxide Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	Power (W)	Max Capacitance (pF)
RPC50-50-RXXX-X	0.050 [1.27]	0.050 [1.27]	0.010 [0.25]	0.045 [1.14]	0.012 [0.03]	15	0.35
RPC50-100-RXXX-X	0.050 [1.27]	0.100 [2.54]	0.010 [0.25]	0.045 [1.14]	0.017 [0.43]	25	0.73
RPC75-150-RXXX-X	0.075 [1.10]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.040 [1.02]	50	1.65
RPC100-200-4RXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.060 [1.52]	60	0.73
RPC230-350-4RXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.050 [0.03]	250	2.94
RPC250-250-4RXXX-X	0.250 [6.35]	0.250 [6.35]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	200	2.28
RPC250-250-6RXXX-X	0.250 [6.35]	0.250 [6.35]	0.060 [1.52]	0.240 [6.10]	0.060 [1.52]	125	1.52
RPC250-375-4RXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	300	3.42
RPC250-375-1RXXX-X	0.250 [6.35]	0.375 [9.53]	0.135 [3.43]	0.240 [6.10]	0.060 [1.52]	100	1.01
RPC375-375-4RXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.050 [1.27]	400	5.13
RPC500-500-4RXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.040 [1.02]	500	9.13
RPC1000-1000-6RXXX-X	1.000 [25.4]	1.000 [25.4]	0.060 [1.52]	0.950 [24.13]	0.090 [2.29]	800	24.0

Aluminum Nitride Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	Power (W)	Capacitance MAX (pF)
RPC50-100-2NRXXX-X	0.050 [1.27]	0.100 [2.54]	0.025 [0.64]	0.045 [1.14]	0.020 [0.51]	10	0.4
RPC60-120-2NRXXX-X	0.060 [1.52]	0.120 [3.05]	0.025 [0.64]	0.055 [1.40]	0.020 [0.51]	15	0.57
RPC100-200-4NRXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.060 [1.52]	40	1.0
RPC250-250-4NRXXX-X	0.245 [6.22]	0.245 [6.22]	0.040 [1.02]	0.130 [3.30]	0.020 [1.51]	150	3.1
RPC250-375-4NRXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.198 [5.03]	0.025 [0.64]	200	4.68



Dimensions are in inches [mm]
Tolerance: .XXX = ±0.010, .XX = ±0.015



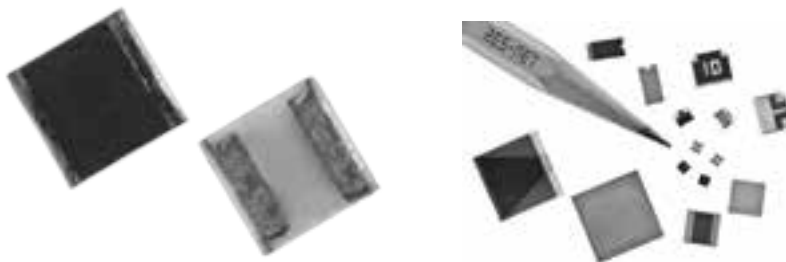
[Ordering Information on Page 38](#)

HIGH POWER CHIP RESISTORS STYLE W



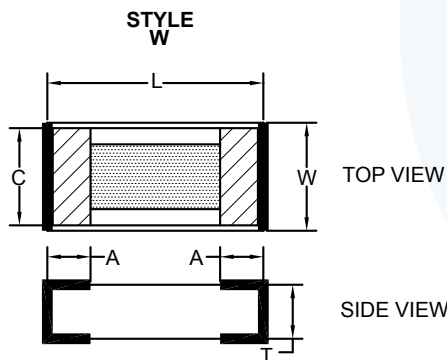
General Specifications

Substrate: Beryllium Oxide or Aluminum Nitride
Resistive Film: Thick Film
Terminals: Silver
Reliability: MIL-PRF-55342

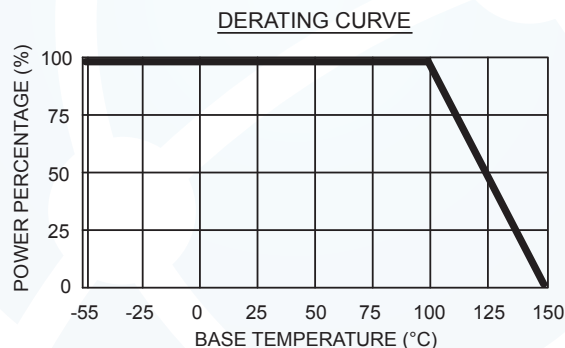


Beryllium Oxide Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	Power (W)	Max Capacitance (pF)
RPC50-50-WXXX-X	0.050 [1.27]	0.050 [1.27]	0.010 [0.25]	0.045 [1.14]	0.012 [0.03]	5	0.35
RPC50-100-WXXX-X	0.050 [1.27]	0.100 [2.54]	0.010 [0.25]	0.045 [1.14]	0.017 [0.43]	10	0.73
RPC75-150-WXXX-X	0.075 [1.10]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.040 [1.02]	15	1.65
RPC100-200-4WXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.060 [1.52]	20	0.73
RPC230-350-4WXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.050 [0.03]	75	2.94
RPC250-250-4WXXX-X	0.250 [6.35]	0.250 [6.35]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	60	2.28
RPC250-250-6WXXX-X	0.250 [6.35]	0.250 [6.35]	0.060 [1.52]	0.240 [6.10]	0.060 [1.52]	40	1.52
RPC250-375-4WXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.040 [1.02]	100	3.42
RPC250-375-1WXXX-X	0.250 [6.35]	0.375 [9.53]	0.135 [3.43]	0.240 [6.10]	0.060 [1.52]	100	1.01
RPC375-375-4WXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.050 [1.27]	125	5.13
RPC500-500-4WXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.040 [1.02]	150	9.13

Aluminum Nitride Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	Power (W)	Max Capacitance (pF)
RPC50-100-2NWXXX-X	0.050 [1.27]	0.100 [2.54]	0.025 [0.64]	0.045 [1.14]	0.020 [0.51]	2	0.4
RPC60-120-2NWXXX-X	0.060 [1.52]	0.120 [3.05]	0.025 [0.64]	0.055 [1.40]	0.020 [0.51]	5	0.57
RPC100-200-4NWXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.020 [0.51]	10	1.0
RPC250-250-4NWXXX-X	0.245 [6.22]	0.245 [6.22]	0.040 [1.02]	0.130 [3.30]	0.020 [0.51]	40	3.1
RPC250-375-4NWXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.198 [5.03]	0.025 [0.64]	75	4.68



Dimensions are in inches [mm]
Tolerance: .XXX = ±0.010, .XX = ±0.015

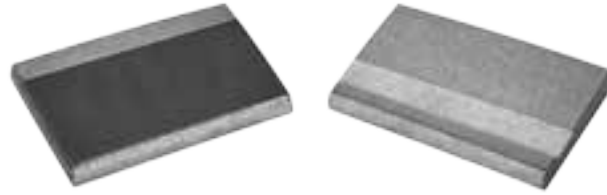


[Ordering Information on Page 38](#)



General Specifications

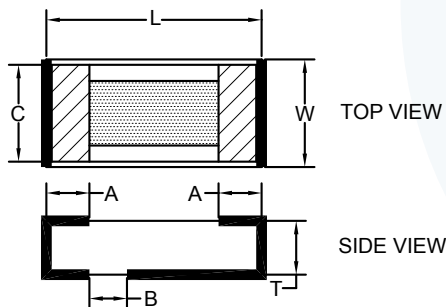
Substrate: Beryllium Oxide or Aluminum Nitride
Resistive Film: Thick Film
Terminals: Silver
Reliability: MIL-PRF-55342



Beryllium Oxide Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	B (±0.005)	Power (W)	Max Capacitance (pF)
RPC50-50-ZXXX-X	0.050 [1.27]	0.050 [1.27]	0.010 [0.25]	0.045 [1.14]	0.012 [0.03]	0.010 [0.03]	10	0.35
RPC50-80-2ZXXX-X	0.050 [1.27]	0.080 [2.03]	0.025 [0.64]	0.045 [1.14]	0.017 [0.43]	0.015 [0.38]	10	0.60
RPC50-100-ZXXX-X	0.050 [1.27]	0.100 [2.54]	0.010 [0.25]	0.045 [1.14]	0.017 [0.43]	0.015 [0.43]	15	0.65
RPC60-120-2ZXXX-X	0.060 [1.52]	0.120 [3.05]	0.025 [0.64]	0.055 [1.40]	0.020 [0.51]	0.015 [0.38]	10	0.7
RPC75-150-ZXXX-X	0.075 [1.10]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.040 [1.02]	0.015 [1.02]	35	1.65
RPC100-200-4ZXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.060 [1.52]	0.025 [1.52]	40	0.73
RPC230-350-4ZXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.050 [0.03]	0.040 [1.02]	40	2.94
RPC250-250-4ZXXX-X	0.250 [6.35]	0.250 [6.35]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	0.040 [1.02]	200	2.28
RPC250-250-6ZXXX-X	0.250 [6.35]	0.250 [6.35]	0.060 [1.52]	0.240 [6.10]	0.060 [1.52]	0.040 [1.02]	75	1.52
RPC250-375-4ZXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.040 [1.02]	0.040 [1.02]	200	3.92
RPC250-375-1ZXXX-X	0.250 [6.35]	0.375 [9.53]	0.135 [3.43]	0.240 [6.10]	0.060 [1.52]	0.040 [1.02]	75	1.01
RPC375-375-4ZXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.050 [1.27]	0.040 [1.02]	300	5.13
RPC500-500-4ZXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.040 [1.02]	0.040 [1.02]	350	9.13

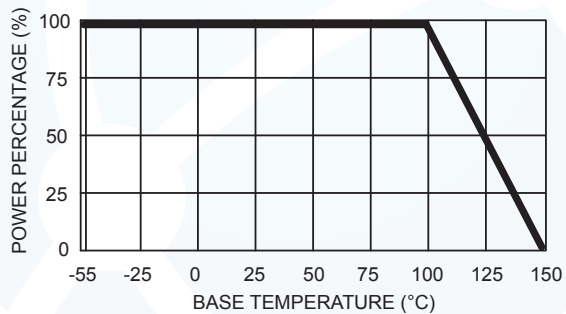
Aluminum Nitride Part Number	W (±0.010)	L (±0.010)	T (±0.005)	C (±0.005)	A (±0.005)	B (±0.005)	Power (W)	Capacitance MAX (pF)
RPC50-100-2NZXXX-X	0.050 [1.27]	0.100 [2.54]	0.025 [0.64]	0.045 [1.14]	0.020 [0.51]	0.015 [0.38]	8	0.4
RPC60-120-2NZXXX-X	0.060 [1.52]	0.120 [3.05]	0.025 [0.64]	0.055 [1.40]	0.020 [0.51]	0.015 [0.38]	10	0.57
RPC100-200-4NZXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.020 [0.51]	0.025 [0.63]	30	1.00
RPC250-250-4NZXXX-X	0.245 [6.22]	0.245 [6.22]	0.040 [1.02]	0.130 [3.30]	0.020 [0.51]	0.040 [1.02]	100	3.1
RPC250-375-4NZXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.198 [5.03]	0.025 [0.64]	0.040 [1.02]	150	4.68

STYLE Z



Dimensions are in inches [mm]
Tolerance: .XXX = ±0.010, .XX = ±0.015

DERATING CURVE



[Ordering Information on Page 38](#)

