



# HIGH POWER CHIP RESISTORS & TERMINATIONS STYLE R

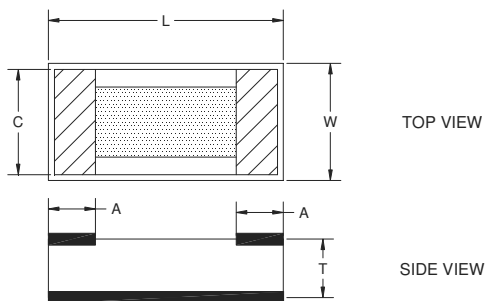
**Features:**

- High power
- Total thick film
- RoHS compliant

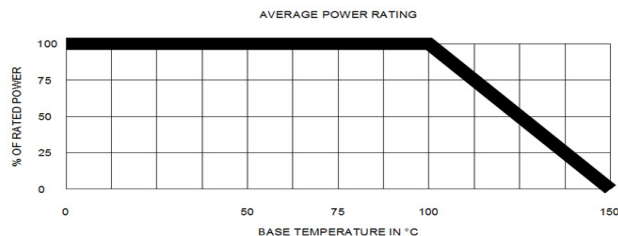
**Specifications:**

- Resistance: 0.5 to 500 Ohms
- Tolerance: ±5%
- Power: See table
- TCR: ±200ppm/°C
- Operating temperature: -55 °C to 150 °C
- Substrate: Beryllium Oxide, Aluminum Nitride, or Alumina
- Terminals: Silver
- Reliability: MIL-PRF-55342

**Mechanical Outline**



**Power Rating**



Dimensions are in inches [mm]

**Beryllium Oxide**

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	POWER max (WATTS)
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
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
RPC75-150-RXXX-X	0.075 [1.91]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.020 [0.51]	50
RPC100-200-4RXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.020 [0.51]	60
RPC230-350-4RXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.040 [1.02]	250
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
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
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
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
RPC375-375-4RXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.060 [1.52]	400
RPC500-500-4RXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.060 [1.52]	500
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

**Aluminum Nitride**

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	POWER max (WATTS)
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
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
RPC100-200-4NRXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.020 [0.51]	40
RPC250-250-4NRXXX-X	0.245 [6.22]	0.245 [6.22]	0.040 [1.02]	0.130 [3.30]	0.020 [0.51]	150
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

**Ordering Information**

RPC 50 100 -2N R - 50 - 5

Series    Size    Thickness:    Substrate:    Style    Resistance    Tolerance

No Designation: 0.010"    N: Aluminum Nitride

2: 0.025"    L: Alumina

4: 0.040"    (No designation: Beryllium Oxide)

6: 0.060"    P.O. BOX 18802, Clearwater, FL 33762

1: 0.135"    1-800-526-0704



# HIGH POWER CHIP RESISTORS & TERMINATIONS STYLE T

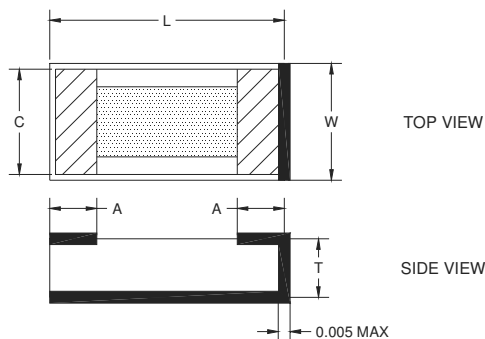
**Features:**

- High power
- Total thick film
- RoHS compliant

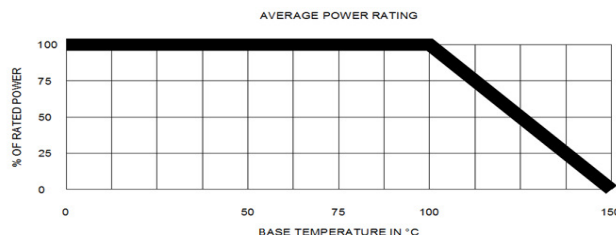
**Specifications:**

- Resistance: 0.5 to 500 Ohms
- Tolerance: ±5%
- Power: See table
- TCR: ±200ppm/°C
- Operating temperature: -55 °C to 150 °C
- Substrate: Beryllium Oxide, Aluminum Nitride, or Alumina
- Terminals: Silver
- Reliability: MIL-PRF-55342

**Mechanical Outline**



**Power Rating**



Dimensions are in inches [mm]

**Beryllium Oxide**

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	POWER max (WATTS)
RPC50-50-TXXX-X	0.050 [1.27]	0.050 [1.27]	0.010 [0.25]	0.045 [1.14]	0.012 [0.03]	8
RPC50-100-TXXX-X	0.050 [1.27]	0.100 [2.54]	0.010 [0.25]	0.045 [1.14]	0.017 [0.43]	15
RPC75-150-TXXX-X	0.075 [1.10]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.020 [0.51]	30
RPC100-200-TRXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.040 [1.02]	40
RPC230-350-4TXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.040 [1.02]	150
RPC250-250-4TXXX-X	0.250 [6.35]	0.250 [6.35]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	175
RPC250-250-6TXXX-X	0.250 [6.35]	0.250 [6.35]	0.060 [1.52]	0.240 [6.10]	0.060 [1.52]	100
RPC250-375-4TXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	200
RPC250-375-1TXXX-X	0.250 [6.35]	0.375 [9.53]	0.135 [3.43]	0.240 [6.10]	0.060 [1.52]	75
RPC375-375-4TXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.060 [1.52]	250
RPC500-500-4TXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.060 [1.52]	500

**Aluminum Nitride**

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	POWER max (WATTS)
RPC50-100-2NTXXX-X	0.050 [1.27]	0.100 [2.54]	0.025 [0.64]	0.045 [1.14]	0.020 [0.51]	8
RPC60-120-2NTXXX-X	0.060 [1.52]	0.120 [3.05]	0.025 [0.64]	0.055 [1.40]	0.020 [0.51]	10
RPC100-200-4NTXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.020 [0.51]	30
RPC250-250-4NTXXX-X	0.245 [6.22]	0.245 [6.22]	0.040 [1.02]	0.130 [3.30]	0.020 [0.51]	75
RPC250-375-4NTXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.198 [5.03]	0.025 [0.64]	125

**Ordering Information**

RPC 50 100 -2N T - 50 - 5

Series

Size

Thickness:  
No Designation: 0.010"  
2: 0.025"  
4: 0.040"  
6: 0.060"  
1: 0.135"

Substrate:  
N: Aluminum Nitride  
L: Alumina  
(No designation: Beryllium Oxide)

Style

Resistance

Tolerance

P.O. BOX 18802, Clearwater, FL 33762  
1-800-526-0704

RES-NET MICROWAVE

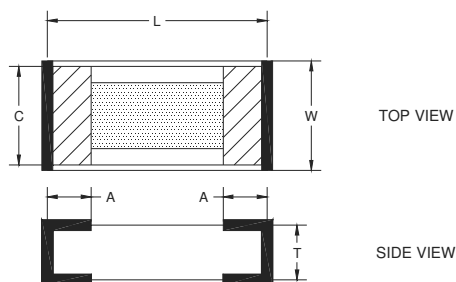
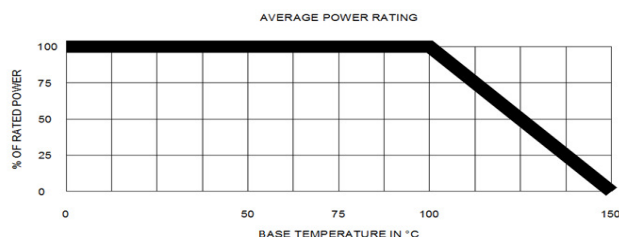
# HIGH POWER CHIP RESISTORS & TERMINATIONS STYLE W

**Features:**

- High power
- Total thick film
- RoHS compliant

**Specifications:**

- Resistance: 0.5 to 500 Ohms
- Tolerance:  $\pm 5\%$
- Power: See table
- TCR:  $\pm 200\text{ppm}/^\circ\text{C}$
- Operating temperature:  $-55^\circ\text{C}$  to  $150^\circ\text{C}$
- Substrate: Beryllium Oxide, Aluminum Nitride, or Alumina
- Terminals: Silver
- Reliability: MIL-PRF-55342

**Mechanical Outline****Power Rating**

Dimensions are in inches [mm]

**Beryllium Oxide**

PART NUMBER	W $\pm 0.010$	L $\pm 0.010$	T $\pm 0.005$	C $\pm 0.005$	A (TYP)	POWER max (WATTS)
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
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
RPC75-150-WXXX-X	0.075 [1.91]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.020 [0.51]	15
RPC100-200-4WXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.040 [1.02]	20
RPC230-350-4WXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.040 [1.02]	75
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
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
RPC250-375-4WXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	100
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
RPC375-375-4WXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.060 [1.52]	125
RPC500-500-4TXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.060 [1.52]	150
RPC1000-1000-6TXXX-X	1.000 [25.4]	1.000 [25.4]	0.060 [1.52]	0.950 [24.13]	0.090 [2.29]	200

**Aluminum Nitride**

PART NUMBER	W $\pm 0.010$	L $\pm 0.010$	T $\pm 0.005$	C $\pm 0.005$	A (TYP)	POWER max (WATTS)
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
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
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
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
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

**Ordering Information**

**RPC 50 100 -2N W - 50 - 5**

Series      Size      Thickness:      Substrate:      Style      Resistance      Tolerance

No Designation: 0.010"      N: Aluminum Nitride

2: 0.025"      L: Alumina

4: 0.040"      (No designation: Beryllium Oxide)

6: 0.060"

1: 0.135"

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1-800-526-0704

# HIGH POWER CHIP RESISTORS & TERMINATIONS

## STYLE Z

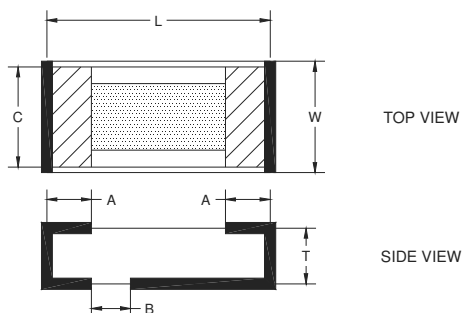
### Features:

- High power
- Total thick film
- RoHS compliant

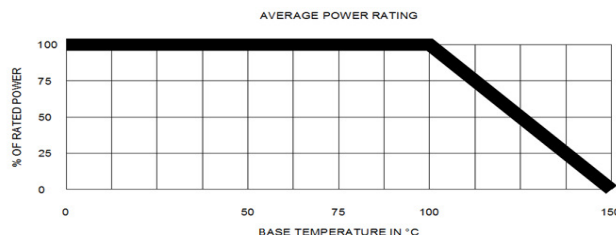
### Specifications:

- Resistance: 0.5 to 500 Ohms
- Tolerance: ±5%
- Power: See table
- TCR: ±200ppm/°C
- Operating temperature: -55 °C to 150 °C
- Substrate: Beryllium Oxide, Aluminum Nitride, or Alumina
- Terminals: Silver
- Reliability: MIL-PRF-55342

### Mechanical Outline



### Power Rating



Dimensions are in inches [mm]

### Beryllium Oxide

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	B±0.005	POWER max (WATTS)
RPC50-50-ZXXX-X	0.050 [1.27]	0.050 [1.27]	0.010 [0.25]	0.045 [1.14]	0.012 [0.03]	10 [0.25]	10
RPC50-100-ZXXX-X	0.050 [1.27]	0.100 [2.54]	0.010 [0.25]	0.045 [1.14]	0.017 [0.43]	15 [0.38]	15
RPC75-150-ZXXX-X	0.075 [1.90]	0.150 [3.81]	0.010 [0.25]	0.070 [1.78]	0.020 [0.51]	15 [0.38]	35
RPC100-200-4ZXXX-X	0.100 [2.54]	0.200 [5.08]	0.040 [1.02]	0.090 [2.29]	0.040 [1.02]	0.025 [0.63]	40
RPC230-350-4ZXXX-X	0.230 [5.84]	0.350 [8.89]	0.040 [1.02]	0.220 [5.59]	0.040 [1.02]	0.040 [1.02]	200
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]	150
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
RPC250-375-4ZXXX-X	0.250 [6.35]	0.375 [9.53]	0.040 [1.02]	0.240 [6.10]	0.060 [1.52]	0.040 [1.02]	200
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
RPC375-375-4ZXXX-X	0.375 [9.53]	0.375 [9.53]	0.040 [1.02]	0.365 [9.27]	0.060 [1.52]	0.040 [1.02]	300
RPC500-500-4ZXXX-X	0.500 [12.7]	0.500 [12.7]	0.040 [1.02]	0.490 [12.45]	0.060 [1.52]	0.040 [1.02]	350
RPC1000-1000-6ZXXX-X	1.000 [25.4]	1.000 [25.4]	0.060 [1.52]	0.950 [24.13]	0.090 [2.29]	0.040 [1.02]	500

### Aluminum Nitride

PART NUMBER	W±0.010	L±0.010	T±0.005	C±0.005	A (TYP)	B±0.005	POWER max (WATTS)
RPC50-100-2NWXXX-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
RPC60-120-2NWXXX-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
RPC100-200-4NWXXX-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
RPC250-250-4NWXXX-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
RPC250-375-4NWXXX-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

### Ordering Information

**RPC 50 100 -2N W - 50 - 5**

Series      Size      Thickness:      Substrate:      Style      Resistance      Tolerance

No Designation: 0.010"      N: Aluminum Nitride

2: 0.025"      L: Alumina

4: 0.040"      (No designation: Beryllium Oxide)

6: 0.060"

1: 0.135"

P.O. BOX 18802, Clearwater, FL 33762

1-800-526-0704