

HIGH TEMPERATURE HIGH VOLTAGE RADIAL LEADED CAPACITORS (RT)

X7R, XHT and NPO DIELECTRIC

Consult Factory for Requirements Above 250°C

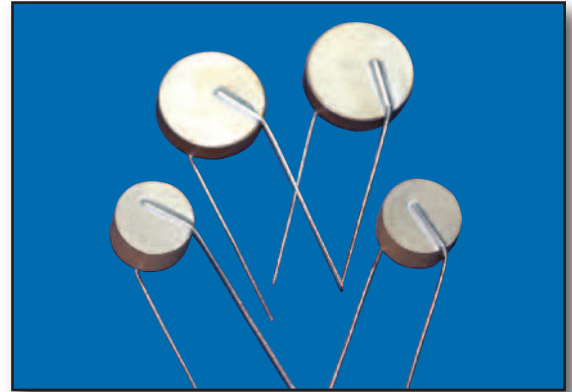
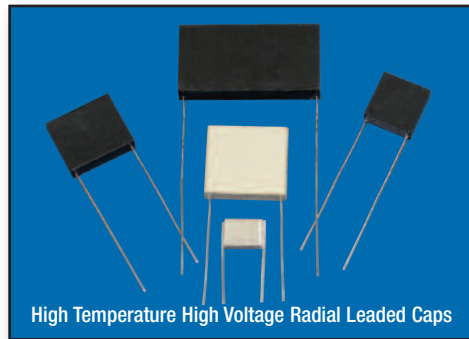
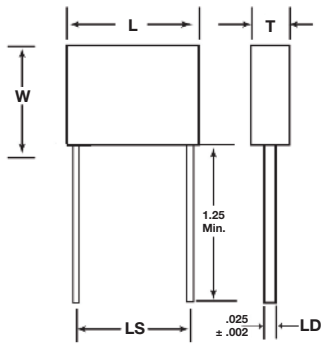
SPECIFICATIONS

MECHANICAL:

Case: DAP up to 220°C Code B
 PEEK up to 240°C Code P
 Uncoated up to 250°C Code U
 Leads: Solder coated copper clad steel is standard;
 other types available

ALSO AVAILABLE

High Temperature High Voltage Disc Capacitors
 Call Factory for More Information



DIMENSIONS (Inches)

| SIZE | L (Max.) | W (Max.) | T (Max.) | LS (±.032) | LD (±.002) |
|---------|----------|----------|----------|------------|------------|
| RT1814 | 0.300 | 0.200 | 0.200 | 0.200 | 0.025 |
| RT1824 | 0.300 | 0.300 | 0.200 | 0.200 | 0.025 |
| RT2225 | 0.350 | 0.300 | 0.200 | 0.250 | 0.025 |
| RT2824 | 0.400 | 0.300 | 0.200 | 0.300 | 0.025 |
| RT3933 | 0.500 | 0.400 | 0.200 | 0.400 | 0.025 |
| RT4844 | 0.600 | 0.500 | 0.200 | 0.500 | 0.025 |
| RT5854 | 0.700 | 0.600 | 0.200 | 0.600 | 0.025 |
| RT6864 | 0.800 | 0.700 | 0.200 | 0.700 | 0.025 |
| RT9650 | 1.100 | 0.600 | 0.200 | 0.980 | 0.025 |
| RT13565 | 1.450 | 0.720 | 0.200 | 1.375 | 0.025 |

MAXIMUM CAPACITANCE (µF)

| WVDC** | 25V | | 50V | | 100V | | 200V | | 500V | | 1000V | |
|---------|-----|------|-----|------|------|------|------|-------|------|-------|-------|-------|
| | X7R | NPO | X7R | NPO | X7R | NPO | XHT | NPO | XHT | NPO | XHT | NPO |
| RT1814 | .47 | .022 | .33 | .018 | .22 | .012 | .10 | .0075 | .075 | .0035 | .012 | .0010 |
| RT1824 | .82 | .045 | .25 | .033 | .50 | .024 | .20 | .014 | .15 | .0068 | .024 | .0020 |
| RT2225 | 1.2 | .056 | 1.0 | .047 | .60 | .033 | .25 | .020 | .20 | .0090 | .032 | .0027 |
| RT2824 | 1.5 | .070 | 1.2 | .056 | .85 | .040 | .33 | .022 | .25 | .011 | .040 | .0036 |
| RT3933 | 2.7 | .16 | 2.5 | .12 | 1.5 | .085 | .60 | .050 | .50 | .024 | .080 | .0075 |
| RT4844 | 5.0 | .18 | 4.0 | .20 | 2.0 | .14 | 1.2 | .082 | .82 | .039 | .16 | .014 |
| RT5854 | 7.8 | .27 | 6.8 | .30 | 4.5 | .21 | 1.8 | .12 | 1.2 | .060 | .25 | .022 |
| RT6864 | 12 | .60 | 9.5 | .44 | 6.0 | .31 | 2.5 | .18 | 1.8 | .085 | .35 | .030 |
| RT9650 | 15 | .68 | 10 | .47 | 6.8 | .34 | 2.7 | .20 | 2.0 | .095 | .39 | .033 |
| RT13565 | - | - | - | - | - | - | 4.7 | .36 | 3.9 | .17 | .70 | .060 |

** WVDC = Working Voltage Direct Current

HOW TO ORDER RT RADIAL LEADS

| | | | | | | | | | |
|---------------------|--------------------------|---|---|---|---|--|--|---|--------------------------------------|
| PREFIX RT | SIZE See Above | DIELECTRIC NPQ* NPO NHT XHT X7R | CAPACITANCE CODE Two significant figures followed by the number of zeros. Example: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 103 = .01 µF | TOLERANCE CODE F = ± 1% ≥ 10pF G = ± 2% ≥ 10pF J = ± 5% ≥ 10pF K = ± 10% L = -10% / +20% M = ± 20% Z = +80% / -20% P = +100% / -0% | VOLTAGE CODE 1 = 25 VDC 2 = 50 VDC 3 = 100 VDC 4 = 200 VDC 5 = 300 VDC 6 = 500 VDC 9 = 1000 VDC ** | CASE Molded Box (Encapsulated) B = Up to 220°C P = Up to 240°C U = Uncoated | LEAD SPACING (LS) See Above | RoHS Blank = Non-RoHS R = RoHS Compliant | DESIGN-IN CODE See Page 15 |
|---------------------|--------------------------|---|---|---|---|--|--|---|--------------------------------------|

* Contact factory regarding NPQ dielectric, additional case sizes, or custom shapes



PRESIDIO COMPONENTS, INC.

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**** HIGHER VOLTAGES
AVAILABLE
20KV and Above**

PRESIDIO COMPONENTS DESIGN-IN CODES

A WORD TO THE DESIGN ENGINEER

After the design work is done, outsourcing manufacturing on a global basis is a management option. At Presidio Components, we are striving for complete customer satisfaction which includes “after” service for all of our products.

We added a “Design-In” locator code for quick traceability, if needed. Please select your location from the table below and add the appropriate code at the end of the part number. If you need assistance, please give us a call at **(858) 578-9390** or email **HT@presidiocomponents.com**.

UNITED STATES

OUTSIDE THE UNITED STATES

| USA | Code | USA | Code | Americas | Code | Europe | Code |
|----------------------|------|-------------------|------|-----------------------------|------|--------------------------|------|
| Alabama | (G) | Nebraska | (P) | Canada | (R) | Austria | (3) |
| Alaska | (P) | Nevada, North | (B) | Mexico | (R) | Belgium | (1) |
| Arizona | (D) | Nevada, South | (C) | Caribbean | (R) | Denmark | (5) |
| Arkansas | (P) | New Hampshire | (L) | Central America | (R) | Finland | (5) |
| California, North | (B) | New Jersey | (J) | South America | (R) | France | (2) |
| California, South | (C) | New Mexico | (D) | | | Germany | (3) |
| Colorado | (E) | New York, Metro | (J) | | | Ireland | (6) |
| Connecticut | (L) | New York, Upstate | (K) | Pacific Rim | | Italy | (4) |
| Delaware | (I) | North Carolina | (G) | Australia | (S) | Luxembourg | (1) |
| District of Columbia | (H) | North Dakota | (O) | China | (T) | Netherlands | (1) |
| Florida | (G) | Ohio | (M) | Japan | (U) | Norway | (5) |
| Georgia | (G) | Oklahoma | (P) | Korea, South | (V) | Sweden | (5) |
| Hawaii | (P) | Oregon | (A) | Malaysia | (W) | Switzerland | (3) |
| Idaho | (A) | Pennsylvania | (I) | Singapore | (X) | United Kingdom | (6) |
| Illinois | (N) | Rhode Island | (L) | Other Pacific Rim Countries | (Y) | Other European Countries | (7) |
| Indiana | (M) | South Carolina | (G) | | | | |
| Iowa | (O) | South Dakota | (O) | | | Other | |
| Kansas | (P) | Tennessee | (G) | | | India | (Z) |
| Kentucky | (M) | Texas | (F) | | | Israel | (8) |
| Louisiana | (P) | Utah | (E) | | | Rest of World | (9) |
| Maine | (L) | Vermont | (L) | | | | |
| Maryland | (H) | Virginia | (H) | | | | |
| Massachusetts | (L) | Washington | (A) | | | | |
| Michigan | (N) | West Virginia | (P) | | | | |
| Minnesota | (O) | Wisconsin, East | (N) | | | | |
| Mississippi | (G) | Wisconsin, West | (O) | | | | |
| Missouri | (N) | Wyoming | (E) | | | | |
| Montana | (A) | | | | | | |

PART NUMBER EXAMPLE:
HT0805XHT473K1Q5R(F)

Add Design-In Code inside the parentheses at the end of the Presidio part number as shown above.