

AMERICAN
TECHNICAL
CERAMICS

TRANSMITTER CAPACITOR ASSEMBLIES



An Alternative to Fixed Vacuum Capacitors,
Doorknobs and Transmitter Capacitors

 THE
ENGINEERS'
CHOICE®



ISO 9001
REGISTERED
COMPANY



ATC High RF Power Capacitor Assemblies offer a cost effective alternative, replacing the need for fixed vacuum capacitors, doorknobs and transmitter capacitors.

About ATC High RF Power Assemblies:

ATC is the leader in design and manufacture of High RF Power Ceramic Capacitor Assembly products with over 45 years experience in the industry. Our extensive line of high RF power capacitor assemblies offers a cost effective alternative to large and costly fixed vacuum capacitors, doorknobs and transmitter capacitors. ATC assemblies are ideal for the most demanding applications requiring high RF power at low frequencies. They are constructed with the finest materials and are engineered to provide the most reliable performance in the most demanding applications.

ATC's Assembly products are ideal for use in Plasma Generators and matching networks used in Semiconductor Manufacturing equipment, AM Broadcast Transmitters, RF Induction Heating, High Power HF amplifiers and many others.

Applications:

- High RF Power Matching Networks
- Antenna Tuning
- High RF Power Tuning Circuits
- High RF Power Output Filter Networks

Attributes:

- High RF Power Handling Capability
- 7200 Rated WVDC
- Ideal for Applications between 400 KHz to 30 MHz
- Rugged Porcelain Construction for Superior Dielectric Strength
- Heavy Cu Leads (0.020") with Punched Holes
- Highest Breakdown Voltage
- NPO and P90 Ultra Stable Dielectrics
- Available in Tight Tolerances

Sales of ATC products are subject to the terms and conditions contained in American Technical Ceramics Corp. Terms and Conditions of Sale (ATC document #001-992 Rev. B 12/05). Copies of these terms and conditions will be provided upon request. They may also be viewed on ATC's website at www.atceramics.com/productfinder/default.asp. Click on the link for Terms and Conditions of Sale.

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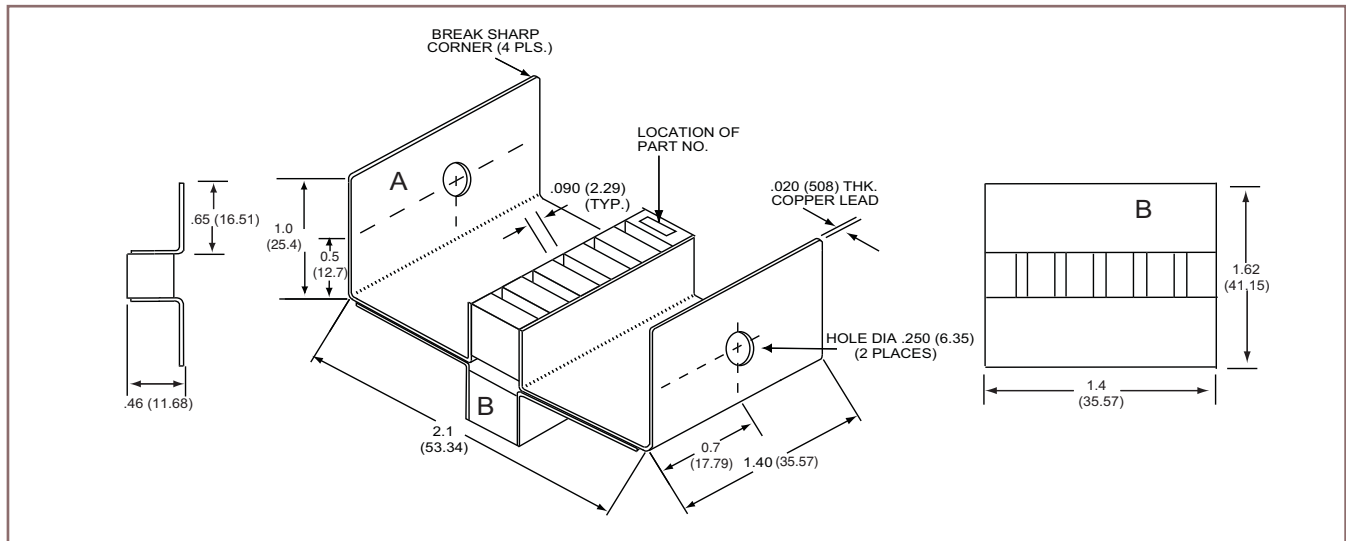
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A M E R I C A N T E C H N I C A L C E R A M I C S

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Mechanical Configurations:



NOTES: The Assembly pictured above is constructed with 100E Series Capacitors.
Leads are attached to capacitors with SN05 Solder.
Assembly is RoHS Compliant

Capacitance Value Table:

| Capacitance Value (pF) | Number of Capacitors | Single Capacitance Value (pF) | Rms Current (1 cap.) @ 13.56 MHz | Rms Current (max.) @ 13.56 MHz | Mechanical Configuration |
|------------------------|----------------------|-------------------------------|----------------------------------|--------------------------------|--------------------------|
| 100 | 2 | 50 | 11 | 22 | Single bracket |
| 200 | 4 | 50 | 11 | 44 | Single bracket |
| 300 | 6 | 50 | 11 | 66 | Single bracket |
| 400 | 4 | 100 | 13 | 52 | Single bracket |
| 500 | 5 | 100 | 13 | 65 | Single bracket |
| 600 | 6 | 100 | 13 | 78 | Single bracket |
| 700 | 7 | 100 | 13 | 91 | 4 over 3 |
| 800 | 8 | 100 | 13 | 104 | 4 over 4 |
| 900 | 9 | 100 | 13 | 117 | 5 over 4 |
| 1000 | 10 | 100 | 13 | 130 | 5 over 5 |
| 1100 | 11 | 100 | 13 | 143 | 6 over 5 |
| 1200 | 12 | 100 | 13 | 156 | 6 over 6 |

Rated WVDC: 7200
Available with 1% Tolerance

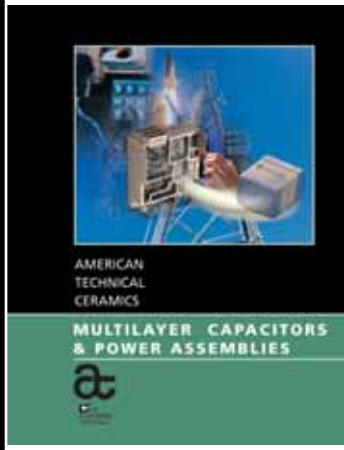
Notes:

For mechanical configuration see SK195101A.
Alternate mechanical configurations available
Custom values and tight tolerances available
Please contact the factory for additional information
and to discuss your specific design requirements.

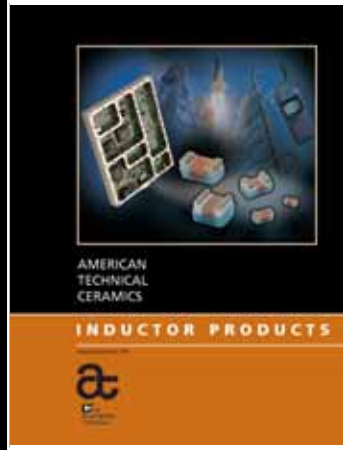
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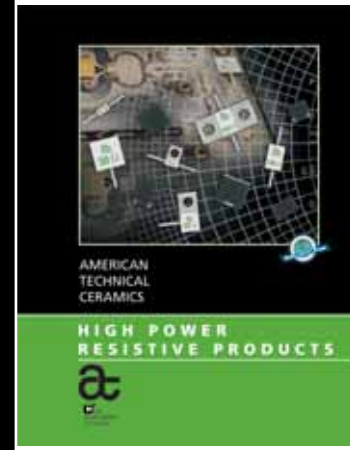
Other ATC Product Catalogs



Multilayer Capacitors
& Power Assemblies



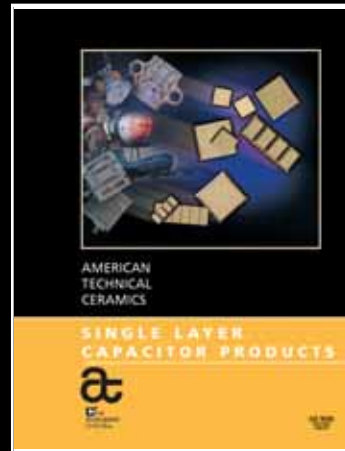
Inductor
Products



Resistive
Products



Custom Thin Film
Products



Single Layer
Capacitors



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