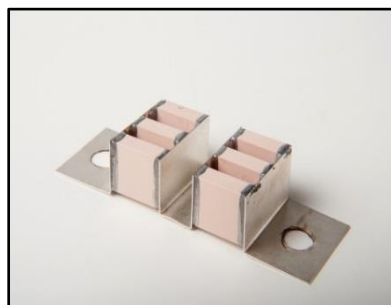
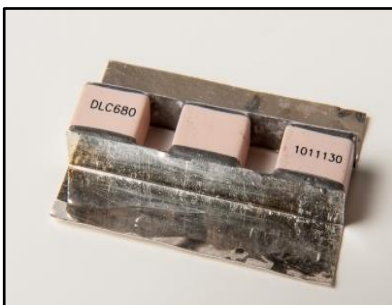
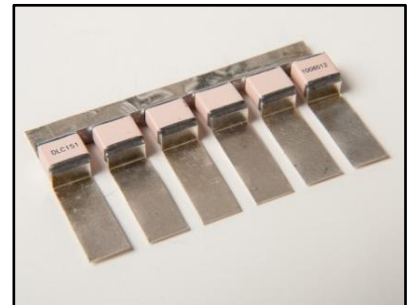
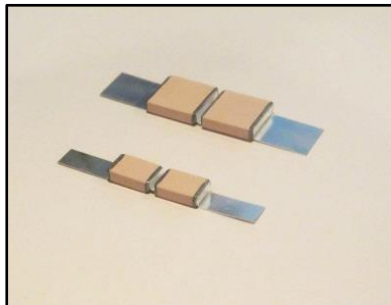




UHF/RF High-Q Power Transmitter Multi-layer Ceramic Capacitors

## Custom Capacitor Assemblies



Marking shown for illustration purposes only.  
Actual marking may differ.

Please contact PPI ([sales@passiveplus.com](mailto:sales@passiveplus.com)) to discuss custom assembly options.



UHF/RF High-Q Power Transmitter Multi-Layer Ceramic Capacitors

## Custom Capacitor Assemblies

### Product Features

High Operating Voltage, High Operating Current, Extended Capacitance, Tighter Tolerances, High Reliability, High Q, Ultra-low ESR, Non-Magnetic

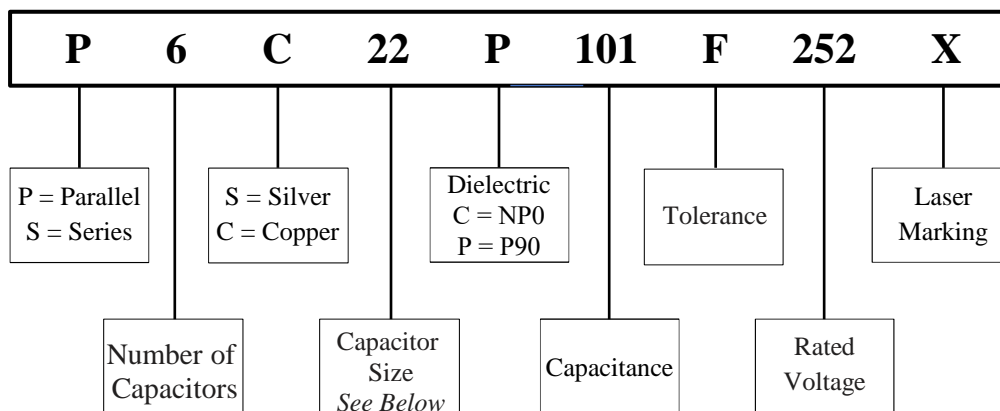
### Typical Applications Field

High Power RF, Medical Electronics, Broadcast, Semiconductor Manufacturing, High Magnetic Environments, Inductive Heating

### Part Numbering



Marking shown for illustration purposes only. Actual marking may differ.



Capacitor Size:

11 = 1111; 22 = 2225; 38 = 3838; 60 = 6040; 76 = 7676

Capacitance: For capacitor values requiring 3 significant digits,

e.g. 1222.5pF = 1222R5

e.g. P6S22P101F252X

Silver bracket assembly with six 2225C pieces in parallel, Capacitance is 100pF,

Capacitance tolerance is  $\pm 1\%$ , WVDC is 2500 V and Laser marking.

e.g. S2S25C1222R5G203X

Silver bracket assembly with two 2225C pieces in series, Capacitance is 1222.5pF,

Capacitance tolerance is  $\pm 2\%$ , WVDC is 20,000V and Laser marking.

### Capacitance and Voltage

By Buyer's requirements using existing drawings, mechanical sketches, or we can help with capable modeling of assemblies thermal rise predictions.



UHF/RF High-Q Power Transmitter Multi-layer Ceramic Capacitors

## Custom Capacitor Assemblies

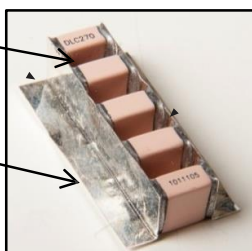
### ≠ Typical Assembly Configurations

#### ≠ Parallel Assemblies

unit:inch (millimeter)

	1111C/P	22225C/P	3838C/P	6040C	7676C
Lead Material	Silver plated Copper or Silver				
Lead Thickness	.004 or .010 (0.1 or 0.25)			.010 or .020 (0.25 or 0.51)	
Lead Length (max.)	.50 (12.7)	.75 (19.8)		2.0 (50.8)	
Capacitor Spacer (typ.)	.050 or .078 (1.3 or 2)			.090 (2.3)	.050 or .157 (1.3 or 4)
Mounting Configuration	Horizontal / Vertical				

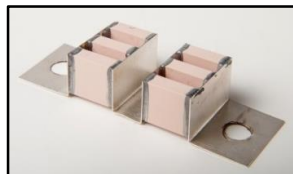
Capacitor spacer



Lead

Marking shown for illustration purposes only. Actual marking may differ.

3838 Series/Parallel Combination



#### ≠ Series Assemblies

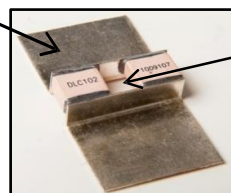
unit:inch (millimeter)

	22225C/P	3838C/P	6040C	7676C
Lead Type	L Bracket			
Lead Material	Silver plated Copper or Silver			
Lead Thickness	.010 ( 0.25)		.010 or .020 (0.25 or 0.51)	
Lead Length (max.)	.75 (19.8)	1.0 (25.4)		
Capacitor Spacer (typ.)	.050 or .157 (1.3 or 4)			
Mounting Configuration	Horizontal			

- Epoxy Molding Available



Lead



Capacitor spacer

Other Assemblies: By Buyer's requirement. Contact PPI.

Marking shown for illustration purposes only. Actual marking may differ.