



# Multilayer Ceramic Stacked Capacitors

## Military, Space & Industrial Grade



### Why Choose KEMET

KEMET applies world-class service and quality to deliver industry-leading, high performance capacitance solutions worldwide. With 95% of possible dielectric solutions, KEMET offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum and paper dielectrics. One world. One KEMET.

### Features & Benefits

- MIL-PRF-49470
- Military Grade Case Codes 3, 4 and 5
- DSCC approved (87106)
- Industrial Grade available qualified to MIL-PRF-49470
- Space Grade available ("T" Level)
- Low ESR and ESL
- High thermal stability
- High ripple current capability
- Higher reliability than electrolytics or tantalum
- Available encapsulated or unencapsulated
- Operating temperature range between -55°C and +125°C

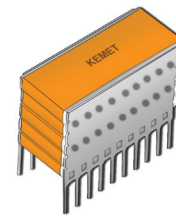
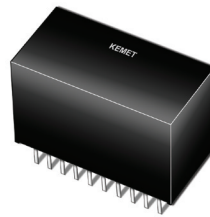
### Product Checklist

- Do you require bulk capacitance?
- Are you currently using any stacked capacitor assemblies?
- Are you currently using electrolytic or tantalum capacitor solutions?
- Is reliability a concern?
- Is ESR a critical concern?
- Do you require encapsulation?
- Do you require standard, high reliability or an industrial grade solution?

For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.

### Programs Supported

- Military
- Space
- Industrial
- Input and output filtering on power supplies – often found on “capacitor banks”
- Snubber circuits
- Radar filtering (28V/microwave burst)



### KEMET Electrical/Physical Characteristics

MIL SPEC	DSCC Drawing	Form Factor	Voltage	Dielectrics	Cap Range	Case Sizes
<b>Military Grade Stacked Capacitors</b>						
MIL-PRF-49470	87106	N, J & L Leads	50V – 500V	BX, BR, BQ	0.15 $\mu$ F – 47 $\mu$ F	3, 4 & 5
<b>Space Level Stacked Capacitors</b>						
MIL-PRF-49470	N/A	N, J & L Leads	50V – 500V	BX, BR, BQ	0.15 $\mu$ F – 47 $\mu$ F	3, 4 & 5
<b>Industrial Grade Stacked Capacitors</b>						
N/A	N/A	N, J & L Leads	25V – 1000V	BX, BR, BQ	0.047 $\mu$ F – 75 $\mu$ F	3, 4 & 5