

# Dielectric Laboratories



## Milli-Caps - The "Ideal" SMT Capacitor 20 MHz-40 GHz



### Benefits:

- 0201, 0402, 0502 and 0602 footprints
- Ultra high series resonance
- Very Low Series Inductance
- Low Loss High Q
- More Useable Bandwidth
- Matches Typical 50 Ohm Line Widths

### Functional Applications:

- Matching filter applications
- Test Equipment
- Photonics
- SONET

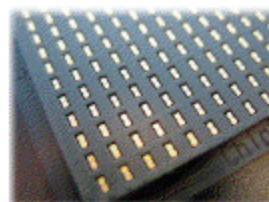
MATERIAL	CAPACITANCE RANGE	TEMPERATURE COEFFICIENT OF CAPACITANCE (-55°C to +125°C)
CF	0.2 - 0.5 pF	0 ± 15 ppm/°C
CD	0.5 - 0.8 pF	-20 ± 15 ppm/°C
CG	0.6 - 1.5 pF	0 ± 30 ppm/°C
NR	1.3 - 3.9 pF	-1500 ± 500 ppm/°C
NV	7.5 - 15 pF	-4700 ± 1000 ppm/°C
BN	36 - 82 pF	± 15 ppm/°C

### Recommended Attachment Materials:

- Conductive Epoxy (EPO TEK® H20E, Ablebond® 84-1 LMI, etc.)
- Solder (SN62, SN63, etc.)

### Plating:

- 7.5 ± 5µ" Au over 50µ" minimum Ni



### DIELECTRIC LABS... Where Performance Begins

[Dielectric Laboratories, Inc. \(DLI\)](#) is your global partner for application specific microwave and millimeter wave components serving customers in fiber optic, wireless, medical, transportation, semiconductor, avionics and military markets. With over 35 years of experience, you can turn to DLI with confidence for all your high frequency Single-Layer Capacitor, Multi-Layer Capacitor, Heat Sink, Resonator, filters, Build-to-Print and Custom Thin Film component solutions."

Contact your local [Spartech-South office](#) for literature or product quotations.