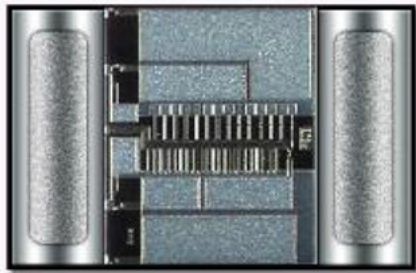


# PLTC Series

## Precision Laser Trimable Capacitors



This Precision Laser Trimmed Capacitor (PLTC) provides an excellent solution for applications requiring precision tunable capacitance in a surface mount LGA package. It has been designed with stable SiON dielectric in combination with finely tunable capacitor ladder structures.

In contrast to traditions mechanically trimmed capacitors, PLTCs offer extremely stable low profile (Z) design.

### FEATURES

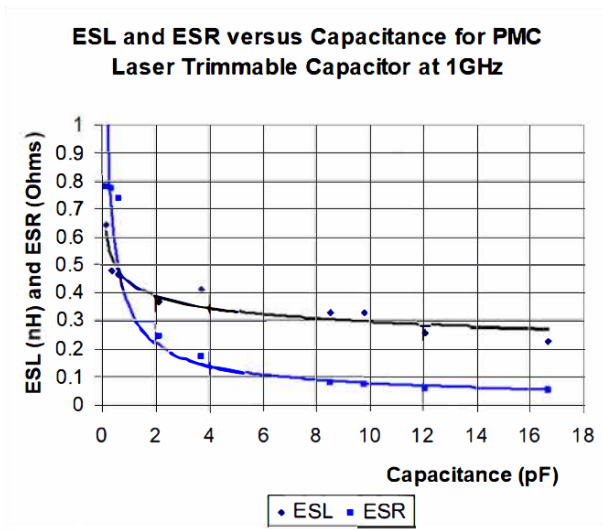
- Solder terminated LGA precision capacitors on glass on silicon substrate
- Laser Trimmed to <math><0.05\text{pF}</math>
- LGA trimmed in factory to user defined value

### APPLICATIONS

- MRI Coils
- Instrumentation
- Sensors
- Transducers
- Industrial
- Military
- Up to 500 MHz

### HOW TO ORDER

LT	02	4R7	P	N	TR
<b>Series Code</b> Laser Trim	<b>Case Size</b> 02 = 0402 03 = 0603 05 = 0805	<b>Capacitance</b> EIA Cap Code in pF First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.	<b>Trim Resolution</b> P = $\pm 0.02$ pF A = $\pm 0.05$ pF B = $\pm 0.01$ pF	<b>LGA Termination</b> N = SAC L = SnPb	<b>Packaging Code</b> TR = Tape & Reel W = Waffle Pack



### Key Features

- Frequency of operation <math>< 500\text{ MHz}</math>
- 0.02pF Capacitance Trim Steps
- Typical voltage rating: <math>< 150\text{ V}</math>
- Non-magnetic

### Size, Cap. Range, Trim Resolution

Size	Max Cap	Trim Resolution
0402	14pF	0.02pF
0603	16pF	0.02pF
0603	50pF	0.1pF
0805	60pF	0.02pF