

# Non-Magnetic Sapphire Trimmer - V9000

The V9000 trimmer capacitor is a unique design: truly subminiature at just 0.64" (16.3mm) in length but offers the highest working voltage rating of 2kV and capacitance value, up to 12pF, available in its size.

Using a Sapphire dielectric, for its ideal dielectric constant, it is extremely stable, is chemically inert, moisture resistant and mechanically strong. Recently launched, additional features are still under development, contact Voltronics for our usual custom modifications and adaptations.



## General specifications

Capacitance Range	1.0pF to 12.0pF Typical
DC Working Voltage @ 12.0pF	2000V
DC Withstanding Voltage @ 12.0pF	3000V
Q Factor @ 100 MHz & 12.0 pF	3000 Min
Insulation Resistance	105 MΩ @ 25°C
Temperature Coefficient	500 ± 200 ppm/°C

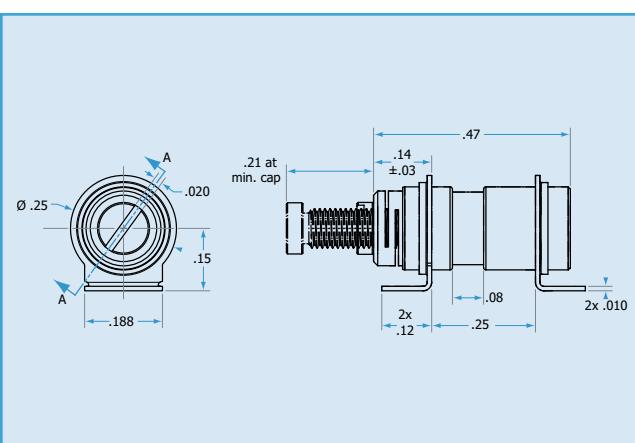
## Mechanical specifications

Tuning Torque	0.5 in oz to 3.0 in oz
Rotational Life	600 Turns Min
Construction	Non-Magnetic

## Environmental

Operating Temperature	-55°C to +125°C
RoHS Compliant	

## Dimensions



## Part No.

## DC Working Voltage

## DC Withstanding Voltage

## Capacitance (pF) <

## Capacitance (pF) >

**V9000**

2000V

3000V

1

12

## V9000 cutaway



## Solder pad layout

