

# SGNM – SERIES I

CERAMIC HIGH VOLTAGE NON-MAGNETIC TRIMMER CAPACITOR



### Product Highlights

- High Voltage Ceramic Dielectric
- Internally Sealed to Withstand External Pressure of Up to 40 PSI
- Residual Magnetic Value Less Than 20 nT

### Applications

- MRI and NMR Coils
- Transmitting and Receiving Sections of MRI and NMR Machines
- Cryogenic Projects

| Model Number | Capacitance Range (pF) |       | Q Min<br>(at 25 MHz C Max) | Rated DC Working<br>Voltage (V) | Dielectric Withstanding<br>Voltage (V) |
|--------------|------------------------|-------|----------------------------|---------------------------------|----------------------------------------|
|              | Min                    | Max   |                            |                                 |                                        |
| SGNMNC1054   | 0.50                   | 5.00  | 2,000                      | 4,000                           | 8,000                                  |
| SGNMNC1056   | 0.50                   | 5.00  | 2,000                      | 6,000                           | 12,000                                 |
| SGNMNC1059   | 0.50                   | 5.00  | 2,000                      | 8,750                           | 17,500                                 |
| SGNMNC1103   | 1.00                   | 10.00 | 1,700                      | 3,000                           | 6,000                                  |
| SGNMNC1106   | 1.00                   | 10.00 | 1,700                      | 6,000                           | 12,000                                 |
| SGNMNC1108   | 1.00                   | 10.00 | 1,700                      | 7,500                           | 15,000                                 |
| SGNMNC1152   | 1.00                   | 15.00 | 1,500                      | 2,000                           | 4,000                                  |
| SGNMNC1156   | 1.50                   | 15.00 | 1,500                      | 6,000                           | 12,000                                 |
| SGNMNC1206   | 2.00                   | 20.00 | 1,500                      | 6,000                           | 12,000                                 |

- Options:
1. **Extended Shaft** - Add suffix "E" to model number
  2. **Cryogenic Version** – Add suffix "K" for model that operates and may be tuned at temperatures as low as 4K. This model is not sealed
  3. **No Lead Option** – Add suffix "NL" for a model that does not include a wire lead attached to stator terminal
  4. Please contact us directly for additional customization options

# SGNM – SERIES 2

CERAMIC HIGH VOLTAGE NON-MAGNETIC TRIMMER CAPACITOR



### Product Highlights

- High Voltage Ceramic Dielectric
- Internally Sealed to Withstand External Pressure of Up to 40 PSI
- Residual Magnetic Value Less Than 20 nT

### Applications

- MRI and NMR Coils
- Transmitting and Receiving Sections of MRI and NMR Machines
- Cryogenic Projects

| Model Number | Capacitance Range (pF) |       | Q Min<br>(at 25 MHz C Max) | Rated DC Working<br>Voltage (V) | Dielectric Withstanding<br>Voltage (V) |
|--------------|------------------------|-------|----------------------------|---------------------------------|----------------------------------------|
|              | Min                    | Max   |                            |                                 |                                        |
| SGNMNC2106   | 1.00                   | 10.00 | 3,000                      | 6,000                           | 12,000                                 |
| SGNMNC2156   | 1.50                   | 15.00 | 2,000                      | 6,000                           | 12,000                                 |
| SGNMNC2206   | 2.00                   | 20.00 | 1,500                      | 6,000                           | 12,000                                 |
| SGNMNC2236   | 2.00                   | 23.00 | 1,200                      | 6,000                           | 12,000                                 |
| SGNMNC2256   | 3.00                   | 25.00 | 1,200                      | 6,000                           | 12,000                                 |
| SGNMNC2306   | 3.00                   | 30.00 | 600                        | 6,000                           | 12,000                                 |
| SGNMNC2356   | 3.50                   | 35.00 | 600                        | 6,000                           | 12,000                                 |
| SGNMNC2406   | 4.00                   | 40.00 | 500                        | 6,000                           | 12,000                                 |
| SGNMNC2502   | 5.00                   | 50.00 | 500                        | 2,500                           | 5,000                                  |

- Options:
1. **Extended Shaft** - Add suffix "E" to model number
  2. **Cryogenic Version** – Add suffix "K" for model that operates and may be tuned at temperatures as low as 4K. This model is not sealed
  3. **No Lead Option** – Add suffix "NL" for a model that does not include a wire lead attached to stator terminal
  4. Please contact us directly for additional customization options

# SGNM – SERIES 3

CERAMIC HIGH VOLTAGE NON-MAGNETIC TRIMMER CAPACITOR



### Product Highlights

- High Voltage Ceramic Dielectric
- Internally Sealed to Withstand External Pressure of Up to 40 PSI
- Residual Magnetic Value Less Than 20 nT

### Applications

- MRI and NMR Coils
- Transmitting and Receiving Sections of MRI and NMR Machines
- Cryogenic Projects

| Model Number | Capacitance Range (pF) |        | Q Min<br>(at 25 MHz C Max) | Rated DC Working<br>Voltage (V) | Dielectric Withstanding<br>Voltage (V) |
|--------------|------------------------|--------|----------------------------|---------------------------------|----------------------------------------|
|              | Min                    | Max    |                            |                                 |                                        |
| SGNMNC3101   | 1.00                   | 10.00  | 2,000                      | 1,500                           | 3,000                                  |
| SGNMNC3103   | 1.50                   | 10.00  | 2,000                      | 3,000                           | 6,000                                  |
| SGNMNC3106   | 2.00                   | 10.00  | 1,800                      | 6,000                           | 12,000                                 |
| SGNMNC3153   | 1.50                   | 15.00  | 2,000                      | 3,000                           | 6,000                                  |
| SGNMNC3205   | 3.00                   | 20.00  | 600                        | 4,500                           | 9,000                                  |
| SGNMNC3253   | 5.00                   | 25.00  | 1,200                      | 3,000                           | 6,000                                  |
| SGNMNC3256   | 7.00                   | 25.00  | 1,200                      | 6,000                           | 12,000                                 |
| SGNMNC3306   | 4.00                   | 30.00  | 1,000                      | 6,000                           | 12,000                                 |
| SGNMNC3505   | 5.00                   | 50.00  | 700                        | 4,500                           | 9,000                                  |
| SGNMNC3706   | 2.00                   | 70.00  | 600                        | 6,000                           | 12,000                                 |
| SGNMNC3708   | 6.50                   | 70.00  | 600                        | 7,500                           | 15,000                                 |
| SGNMNC3806   | 5.00                   | 85.00  | 500                        | 6,000                           | 12,000                                 |
| SGNMNC31006  | 10.00                  | 100.00 | 500                        | 6,000                           | 12,000                                 |

- Options:
1. **Extended Shaft** - Add suffix "E" to model number
  2. **Cryogenic Version** – Add suffix "K" for model that operates and may be tuned at temperatures as low as 4K. This model is not sealed
  3. **No Lead Option** – Add suffix "NL" for a model that does not include a wire lead attached to stator terminal
  4. Please contact us directly for additional customization options