

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 (at 25 MHz C Max) | Rated DC Working Voltage (V) | Dielectric Withstanding 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 (at 25 MHz C Max) | Rated DC Working Voltage (V) | Dielectric Withstanding 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 (at 25 MHz C Max) | Rated DC Working Voltage (V) | Dielectric Withstanding 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