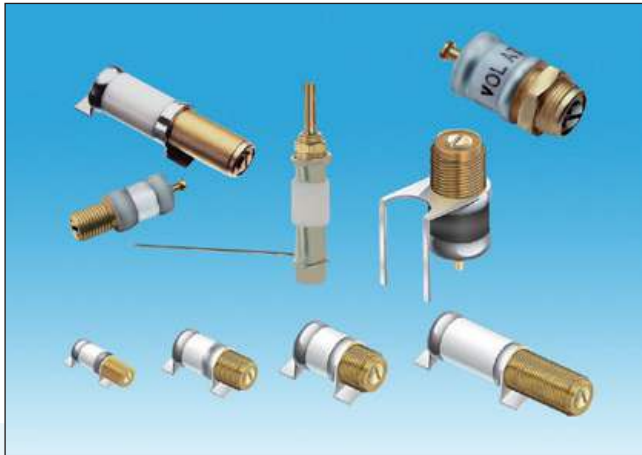


# Non-Magnetic Trimmer Summary










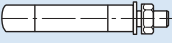



Increasing magnetic resonance applications caused Voltronics to launch an active engineering effort in this field years ago, one that continues today. Due to the severe non-magnetism requirements in these industries, we use only materials that exhibit no measurable magnetism. Commercial brass and plating materials are not acceptable. Our strict traceability and testing regimes ensure this essential parameter.

Most of our trimmers are internally sealed so that they withstand immersion in flux and solvents without leaking. Most of our non-magnetic trimmers can be offered in cryogenic format to be used and tuned at temperatures as low as 4K. Many of our selection of trimmers have been developed for specific customer needs.

Voltronics have developed a unique test setup to allow for Q and RF Voltage breakdown measurement at MRI operational frequencies. This has allowed for development of improved parts designed specifically to meet the stringent requirements of the application.

## Product Selection Guide - Consult Factory for Complete Catalog

Product Line	Description	Series	Maximum Capacitance	Maximum DC Working Voltage	Typical minimum Q value
A1_4/8  A1_12 	Miniature PTFE Dielectric	NM A4_HV	12pF	1000	2000 - 4000
A4_3  A4_5 		NM A1_HV	5pF	1000	2000 - 3000
A_HV 	High Voltage PTFE Dielectric	NM A_HV	30pF	1000	2000
A_HV Ext Range 		NM A_HV	55pF ext. range	1000	780 - 2000
K_HV 		NM K_HV	15pF	1000	780 - 2000
NT 	20KV PTFE Dielectric	NM NT	95pF	10000	2000
GLASS 	Glass Dielectric	NM HTM NM TF NM TM NM TP	250pF 36pF 130pF 180pF	1250 1000 1250 1250	250 - 1000
QUARTZ 	Quartz Dielectric	NM QM	24pF	1250	2000
SAPPHIRE 	Sapphire Dielectric	NM P	40pF	500	1500 - 4000

# NMNT Series - Non-Magnetic PTFE Trimmer Capacitors



## 4kV to 10kV

Voltronics NMNT series of PTFE trimmers are designed for applications requiring greater capacitance and voltage ratings than the popular smaller trimmers but without the large size and expense of vacuum capacitors.

### The NMNT Line offers:

- High voltage
- Non-rotating piston, long life and no tuning noise
- Extremely stable under shock and vibration
- Screw head does not move in and out

Proven RF performance and power handling these high performance trimmer capacitors are utilized in MRI body coils, NMR equipment and RF power transfer applications.

Part Number	DC Working Voltage	DC Withstanding Voltage	Capacitance (pF) <	Capacitance (pF) >	"A" Dim ±.06	"B" Dim ±.06
NMNT2-20	10000	20000	1.0	2.0	1.205	1.125
NMNT5-8	4000	8000	1.0	5.0	1.13	0.31
NMNT5-18	8750	17500	1.0	5.0	2.0	0.75
NMNT10-6	3000	6000	1.0	10.0	1.15	0.38
NMNT10-12	6000	12000	2.0	10.0	1.83	.063
NMNT15	2000	4000	1.0	15.0	1.69	0.31
NMNT23-6	3000	6000	3.0	23.0	1.70	0.38
NMNT23-12	6000	12000	3.0	23.0	1.845	0.63
NMNT25-6	3000	6000	5.0	25.0	1.62	.063
NMNT25-15	7500	15000	7.0	25.0	1.77	1.13
NMNT30	3000	6000	4.0	30.0	2.25	1.50
NMNT50	4500	9000	5.0	50.0	2.25	1.50
NMNT70-6	3000	6000	2.5	70.0	3.00	0.70
NMNT70-15	7500	15000	6.5	70.0	3.25	1.63
NMNT85	3000	6000	5.0	85.0	3.25	1.50
NMNT100-4	2500	3600	2.0	95.0	4.25	0.31

Note: Preferred parts. Others available but may be subject to an increased MOQ.

### Dimensions -

