

### Features

- Capacitance Range: 10pF to .33μF
- Operating Temperature Range: -55°C to 125°C
- Voltage Range: 500V to 10kV
- Intermediate and Higher Voltages are Available
- High Reliability Long Life
- Conformal Coated



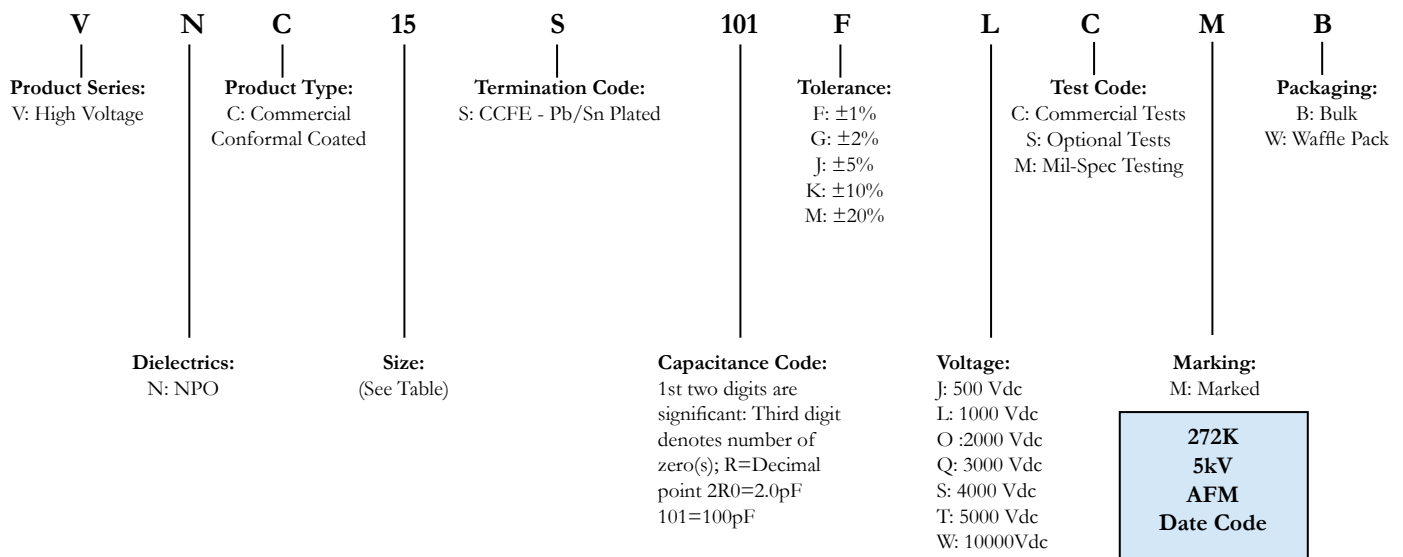
VNC series is high voltage radial lead multilayer ceramic capacitors for use in high reliability commercial and industrial applications. These capacitors are designed

using a high density, extremely stable ceramic, having temperature coefficients meeting COG (NPO) standards. These capacitors conform to or exceed design guidelines outlined in DSCC and other MIL drawings and standards. Each capacitor is 100% tested physically and electrically. Group A and Group B Inspections, as well as partial discharge, SLAM and CSAM are available as options.

### Applications

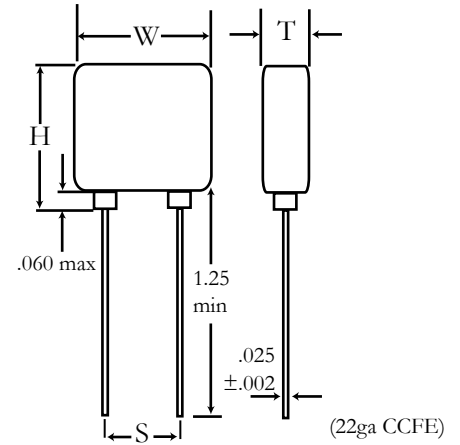
Typical applications include high voltage power supplies, voltage multipliers, surge protection and other custom applications.

### AFM Part Number Code



### Size Information

Style	Sizes (Max) Inches (mm)			Lead Spacing ±0.30 (S)
	Width (W)	Height (H)	Thickness (T)	
15	.250 (6.35)	.220 (5.59)	.200 (5.08)	.170 (4.32)
20	.320 (8.13)	.280 (7.11)	.250 (6.35)	.220 (5.59)
22	.370 (9.40)	.300 (7.62)	.250 (6.35)	.275 (6.99)
30	.450 (11.43)	.220 (5.59)	.200 (5.08)	.300 (7.62)
35	.470 (11.94)	.400 (10.16)	.270 (6.86)	.375 (9.53)
41	.550 (13.97)	.280 (7.11)	.250 (6.35)	.400 (10.16)
45	.570 (14.48)	.500 (12.70)	.270 (6.86)	.475 (12.07)
55	.670 (17.02)	.600 (15.24)	.270 (6.86)	.575 (14.61)
65	.770 (19.56)	.720 (18.29)	.270 (6.86)	.675 (17.15)
70	.850 (21.59)	.400 (10.16)	.270 (6.86)	.700 (17.78)
90	1.05 (26.67)	.500 (12.70)	.270 (6.86)	.975 (24.77)
95	1.25 (31.75)	.600 (15.24)	.270 (6.86)	1.175 (29.85)
99	1.45 (36.83)	.720 (18.29)	.270 (6.86)	1.375 (34.93)



### NPO Capacitance Ranges

Style	500V		1kV		2kV		3kV		4kV		5kV		10kV	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
15	27pF	4700pF	27pF	1500pF	10pF	680pF	10pF	220pF						
20	39pF	8200pF	39pF	3900pF	22pF	820pF	22pF	560pF						
22	47pF	.012µF	47pF	6800pF	27pF	1500pF	27pF	820pF						
30	68pF	.015µF	68pF	4700pF	15pF	1000pF	15pF	390pF	10pF	220pF				
35	120pF	.022 µF	120pF	.018µF	47pF	3300pF	47pF	1500pF	27pF	680pF	15pF	470pF		
41	82pF	.027µF	82pF	.012µF	27pF	2200pF	27pF	820pF	10pF	560pF	10pF	390pF		
45	220pF	.056µF	220pF	.033µF	100pF	6800pF	100pF	3900pF	18pF	1500pF	18pF	1200pF		
55	390pF	.082µF	390pF	.047µF	150pF	.010µF	150pF	6800pF	27pF	2200pF	27pF	2200pF		
65	470pF	.100µF	470pF	.068µF	270pF	.022µF	270pF	8200pF	47pF	3900pF	47pF	2700pF		
70	330pF	.120µF	330pF	.068µF	68pF	.010µF	68pF	4700pF	27pF	1500pF	27pF	1200pF		
90	470pF	.150µF	470pF	.056µF	120pF	.015µF	120pF	5600pF	47pF	3300pF	47pF	2200pF	18pF	820pF
95	680pF	.220µF	680pF	.100µF	220pF	.022µF	220pF	.015µF	82pF	5600pF	82pF	3900pF	33pF	1200pF
99	1000pF	.330µF	1000pF	.15µF	270pF	.039µF	270pF	.018µF	120pF	8200pF	120pF	5600pF	56pF	5600pF

### Specification and Performance:

Piezoelectric and Aging Effects:	None
Temperature Range:	-55°C to +200°C
Temperature Coefficient of Capacitance:	0±30ppm/°C
Insulation Resistance (IR, at Rated Voltage):	25°C > 100,000 MΩ or 1000 MΩµF; 125°C > 10,000 MΩ or 100 MΩµF Whichever is Les
Dielectric Withstand Voltage (DWV):	500V to 10kV - 1.2 x V Rated at 25°C
Dissipation Factor:	0.15 max

### Features

- Capacitance Range: 100pF to 5.6μF
- Operating Temperature Range: -55°C to 125°C
- Voltage Range: 1kV to 10kV
- Intermediate and Higher Voltages are Available
- High Reliability Long Life
- Conformal Coated

VXC series is high voltage radial lead multilayer ceramic capacitors for use in high reliability commercial and industrial applications. These capacitors are designed

using a high density barium titanate ceramic, having temperature coefficients meeting X7R standards. These capacitors conform to or exceed design guidelines outlined in DSCC and other MIL drawings and standards. Each capacitor is 100% tested physically and electrically. Group A and Group B Inspections, as well as partial discharge, SLAM and CSAM are available as options.



### Application

Typical applications include high voltage power supplies, voltage multipliers, surge protection and other custom applications.

### AFM Part Number Code

