

# Vatronics Technologies Limited

•  
•

## VCC Series Ceramic Disc Capacitors

Operating temperature range: -25 to +85 degrees Celcius

Capacitance: measured at 20 +/- 2 degrees Celsius with 1 +/- 0.1kHz and 0.1Vrms max

Dissipation factor (DF): same as capacitance

DC 16V: tg theta < / = 700 x 10-4

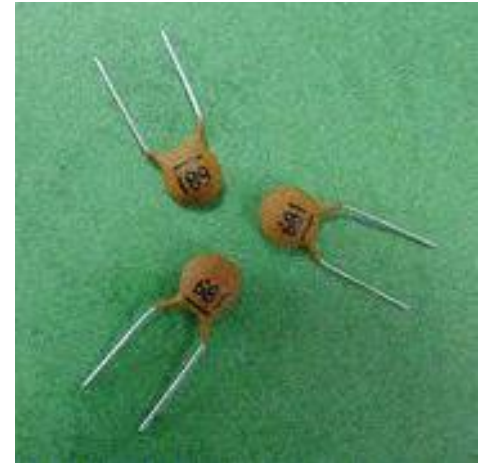
DC 25V/50V: tg theta < / = 500 x 10-4

Insulation resistance (IR): measured with the rated voltage within one minute of charging DC16V: IR >100Mohms

DC25V/50V: IR > 1000Mohms

Dielectric strength: never be damaged when DC voltages of 150% of the rated voltage are applied for 5 seconds, no failure

Packing: Bulk and Ammo



Rated Voltage	Temp Char	Capacitance		Dimension MM		
		Range	Tolerance	D Max	T Max	F
50	CH 0+/- 60PPM/C (NPO)	0R5-470	+/-0.25PF or +/- 0.5PF(under 10PF)	5.5	3.5	5.0
		500-750		6.5		
		820-101		7.5		
		121-151	8.5			
		181-271	+/-5% or +/- 10%(over 10PF)	10.5		
		301-391		12.5		
50	SL +350~- 1000PPM/C	100-121	+/-5%, +/- 10%	5.5	3.5	5.0
		151-241		6.6		
		271-331		7.5		
		361-471		8.5		
		501-821		10.5		
50	Y5P	101-202	+/-10%, +/- 20%	5.5	3.5	5.0
		222-272		6.5		
		302-332		7.5		
		392-472		8.5		
		562-103		10.5		
50	Z5U	222-502	+/-20%, +80%/-20%	5.5	3.5	5.0
		562-822		6.5		
		103		7.5		
		123-153		8.5		
		183-223		10.5		

50	Z5V	472-502	+80%/-20%	5.5	3.5	5.0
		103-153		6.5		
		183-203		7.5		
		223-303		8.5		
		333-104		10.5		

**Vatronics Technologies Limited**  
<http://www.vatronics.com> [sales@vatronics.com](mailto:sales@vatronics.com)