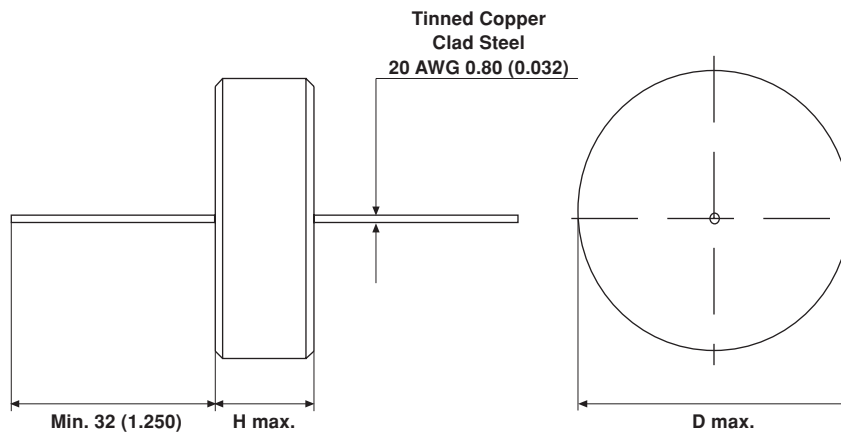


Vishay Cera-Mite

High Voltage Capacitors with Axial Leads

10A... 10KV_{DC}
15A... 15KV_{DC}
20A... 20KV_{DC}
30A... 30KV_{DC}



• Dimensions in millimeters (inches)

DIELECTRIC STRENGTH

150% of rated voltage (in dielectric fluid), charging current limited to 50mA

DISSIPATION FACTOR $\tan\delta$

N4700: $\leq 2 \cdot 10^{-3}$ (1kHz)
X7R, Z5U: $\leq 20 \cdot 10^{-3}$ (1kHz)

INSULATION RESISTANCE

MIN. 200,000 megohms, @180VDC or 1000 Ω F

OPERATING TEMPERATURE RANGE

Up to + 125°C

MATERIAL

Capacitor elements made from Class 1 or Class 3 ceramic in a molded case, high temperature epoxy construction
Leads: Tinned copper clad steel

MARKING

Capacitance value and tolerance,
Rated DC voltage, T/C code,
Production date code, CM mark

ORDERING INFORMATION

20AZT68
MODEL

20KV_{DC}
RATED
VOLTAGE

680pF
CAPACITANCE
VALUE

$\pm 20\%$
TOLERANCE

N4700
CERAMIC



MODEL	CERAMIC	CAPACITANCE VALUES [pF]	RATED VOLTAGE [KV _{DC}]	RATED VOLTAGE [KV _{RMS}]	D _{max.}	H _{max.}		
10A...								
10AZT47	N4700	470	10	3	21 (0.83)	13 (0.50)		
10AZD10	N4700	1000			30 (1.18)	13 (0.50)		
10AED15	Z5U	1500			21 (0.83)	13 (0.50)		
10AZD20	N4700	2000			37 (1.45)	13 (0.50)		
10AED22	Z5U	2200			21 (0.83)	13 (0.50)		
10AED33	Z5U	3300			30 (1.18)	13 (0.50)		
10ACD33	X7R	3300			30 (1.18)	15 (0.60)		
10AED47	Z5U	4700			30 (1.18)	13 (0.50)		
10ACD47	X7R	4700			37 (1.45)	15 (0.60)		
10AED68	Z5U	6800			30 (1.18)	13 (0.50)		
10AES10	Z5U	10000			37 (1.45)	13 (0.50)		
15A...								
15AZT39	N4700	390			15	5	21 (0.83)	13 (0.50)
15AZT82	N4700	820					30 (1.18)	13 (0.50)
15AED10	Z5U	1000	21 (0.83)	13 (0.50)				
15AED15	Z5U	1500	21 (0.83)	13 (0.50)				
15ACD15	X7R	1500	30 (1.18)	15 (0.60)				
15AZD15	N4700	1500	37 (1.45)	13 (0.50)				
15AED22	Z5U	2200	30 (1.18)	13 (0.50)				
15ACD22	X7R	2200	30 (1.18)	13 (0.50)				
15AED33	Z5U	3300	30 (1.18)	13 (0.50)				
15ACD33	X7R	3300	37 (1.45)	15 (0.60)				
15ACD39	X7R	3900	37 (1.45)	15 (0.60)				
15AED47	Z5U	4700	30 (1.18)	13 (0.50)				
15AED68	Z5U	6800	37 (1.45)	13 (0.50)				
20A...								
20AZT22	N4700	220	20	7	21 (0.83)	15 (0.60)		
20AET68	Z5U	680			21 (0.83)	15 (0.60)		
20AZT68	N4700	680			30 (1.18)	15 (0.60)		
20AED10	Z5U	1000			21 (0.83)	15 (0.60)		
20ACD10	X7R	1000			30 (1.18)	20 (0.80)		
20AZD10	N4700	1000			37 (1.45)	15 (0.60)		
20AED15	Z5U	1500			21 (0.83)	15 (0.60)		
20ACD15	X7R	1500			30 (1.18)	20 (0.80)		
20AED22	Z5U	2200			30 (1.18)	15 (0.60)		
20ACD22	X7R	2200			37 (1.45)	20 (0.80)		
20ACD25	X7R	2500			37 (1.45)	20 (0.80)		
20ACD27	X7R	2700			37 (1.45)	20 (0.80)		
20AED33	Z5U	3300			30 (1.18)	15 (0.60)		
20AED47	Z5U	4700			37 (1.45)	15 (0.60)		
20AED50	Z5U	5000			37 (1.45)	15 (0.60)		
30A...								
30AZT18	N4700	180	30	10	21 (0.83)	20 (0.80)		
30ACT33	X7R	330			21 (0.83)	24 (0.95)		
30AZT47	N4700	470			30 (1.18)	20 (0.80)		
30AET47	Z5U	470			21 (0.83)	20 (0.80)		
30AZT68	N4700	680			37 (1.45)	20 (0.80)		
30AET68	Z5U	680			21 (0.83)	20 (0.80)		
30AET82	Z5U	820			21 (0.83)	20 (0.80)		
30ACD10	X7R	1000			30 (1.18)	24 (0.95)		
30AED10	Z5U	1000			30 (1.18)	20 (0.80)		
30AED12	Z5U	1200			30 (1.18)	20 (0.80)		
30ACD15	X7R	1500			37 (1.45)	24 (0.95)		
30AED15	Z5U	1500			30 (1.18)	20 (0.80)		
30AED18	Z5U	1800			37 (1.45)	20 (0.80)		
30AED20	Z5U	2000			37 (1.45)	20 (0.80)		
30AED22	Z5U	2200			37 (1.45)	20 (0.80)		
30AED25	Z5U	2500			37 (1.45)	20 (0.80)		
30AED30	Z5U	3000			37 (1.45)	20 (0.80)		
30AED33	Z5U	3300			37 (1.45)	20 (0.80)		

CAPACITANCE TOLERANCES: N4700, X7R Ceramic: ± 20%
 Z5U Ceramic: - 20 + 80%



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