

Bulletin 816C: Potential Transformer **Specifications: 138kV**

Product Type	Potential Transformer
Quantity	3,000
Standard	ANSI C57.13
Altitude above sea level	3,300 FT
Temperature range min.	-25 °C
Temperature range max.	40 °C
Wind speed max.	80 mph
Rated Voltage (Between Phases)	138.0 kV
Maximum Voltage (Between Phase)	145 kV
Frequency	60 Hz
1 Minute Dry Withstand	275 kV
10 Second Wet Withstand	275 kV
Basic Impulse Insulation Level	650 kV
Over Voltage Factor	1.73/60s
Max Thermal Burden	6,000 VA
Over Voltage Factor Continuous	1.1
Primary Voltage	80,500 V
No. of Secondaries	2
Secondary Winding Ratio	700/1200:1
Secondary Voltage full W1	115 V
Secondary Voltage tap W1	67.08
Accuracy W1	0.3
Burden W1	WXYZ,ZZ
Secondary Voltage full W2	115 V
Secondary Voltage tap W2	67.08
Accuracy W2	0.3
Burden	W2 WXYZ,ZZ
Type of Insulator	Porcelain
Creepage Distance	112.48 IN
Strike Distance	48.34 IN
Type of Dome	Aluminum
Type of Tank	Steel
Primary Terminal	Tin plated Al NEMA 4 holes
Ground Terminal	Stainless steel NEMA 2 holes
Secondary Terminal Type	Stud type
Nameplate	Stainless Steel

NOTES:

*Hermetically sealed voltage transformer.

*This transformer is filled with non-PCB mineral oil that contains less than 1 PPM PCD at the time of manufacture.