



MacLean Power Systems
7801 Park Place Rd., York, SC 29745 USA (803) 628-2100

MPS Catalog Number

Date 10/17/2024

Revision: A

P4 50 50 094 AB SS 037
Dimensions acc. To ANSI C29.19
BIL Rating: 1300 kV TR324

Top End Fitting:
Bottom End Fitting:

End Fittings

5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)
5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)

Number of Sheds:
Rod Diameter:
Weight Estimate:
Packaging:

Material

37
3.5 Inches
62 kg
12 Per Crate

Height (L):
Rubber Length (X):
Shed Diameter (B):
Shed Spacing (S):
Dry Arc Distance:
Leakage Distance:

Dimensional Values

106.0 in 2692 mm
94.0 in 2388 mm
9.2 in 234 mm
2.5 in 64 mm
94.6 in 2403 mm
280.0 in 7112 mm

Low Freq. dry Flashover:
Low Freq. Wet Flashover:
Positive CIFO:
Max RIV @ 1 MHz. Low-freq. test voltage 220kV

Electrical Values

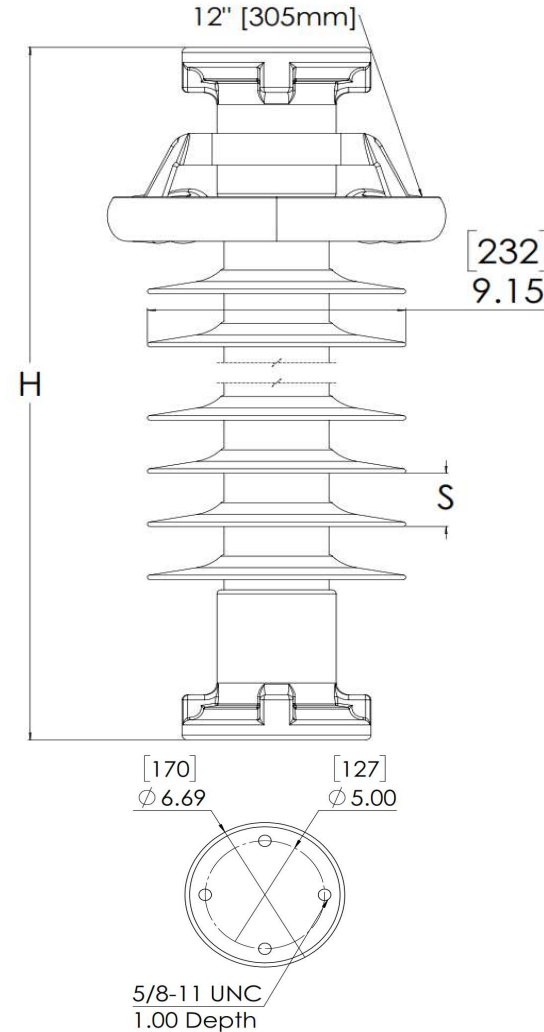
854 kV
766 kV
1503 kV
1000 μV

Min. Withstand 802 kV
Min. Withstand 628 kV
Min. Withstand 1321 kV

Specified Cant. Load (SCL):
Max. Design Cant. Load (MDCL):
Specified Tensile Load (STL):
Specified Compression Strength
Deflection at 580 lbs* (2.6kN)
Specified Torsional Strength

Mechanical Values

3,660 lbs 16.3 kN
1,830 lbs 8.1 kN
25,500 lbs 113 kN
25,500 lbs 113 kN
5.7 in 145 mm
50,000 In-lbs 5,649 Nm



Dimension: inches [millimeters]

Silicone Rubber, Sheath, & Dimensions comply with
ANSI C29.19 and CSA C156.2.

NOTE: Drawing not actual depiction of insulator appearance

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