MacLean Power Systems

MPS Catalog Number:

MG523Z

Rev: A

ANSI Class: ANSI 52-3
Ball and Socket Coupling: w/ Zinc Sleeve Type B
Shell Profile: Standard
Weight: 8.8 lbs 4.0 kg

DIMENSIONS

Diameter (D): 10.0 in 255 mm
Spacing: 5.75 in 146 mm
Leakage Distance: 12.6 in 320 mm

ELECTRICAL VALUES

Low Frequency Dry Flashover: 80 kV
Low Frequency Wet Flashover: 50 kV
Critical Impulse Flashover Positive (CIFO +): 125 kV
Critical Impulse Flashover Negative (CIFO -): 130 kV
Low Frequency Puncture Voltage: 130 kV
Radio Influence Voltage (RIV) Test Voltage: 10 kV
Maximum RIV at 1 MHz: 50 µV

MECHANICAL VALUES

Combined Electrical & Mechanical (M&E) Rating: 22 kib 100 kN
Routine Test Mech. Proof Load: 11 kib 50 kN
Impact Strength: 400 in-lbs 45 N-m

Item# Qty Description Material Coating
1 1 Cap Spheroidal Graphite Cast Iron Hot dip galvanized (600g/m²)
2 1 Shell Toughened Glass
3 1 Pin Steel 40 Cr-Forged Steel Hot dip galvanized (600g/m²)
4 1 Cotter Pin Stainless Steel V-16 ANSI
5 1 Gasket Interlaying Material
6 1 Cement Alumina Cement
7 1 Zinc Sleeve Zinc

This drawing contains confidential information that is the property of MacLean Power LLC ("MacLean"). Use of MacLean’s confidential information without MacLean’s express written consent is strictly prohibited and may expose you to legal liability. If you believe that you received this material in error, please destroy it or return it to "MacLean Power, 7801 Park Place Rd. York, South Carolina 29745, USA".