

MODEL 7205-00

Antenna Lightning Protection w/ Changeable Gas Arrester Tube

- Gas-Filled Surge Protection
- Easy Replacement After Lightning Event
- Effective Discharge Mechanism for Direct & Indirect Strikes



PHONE: (800) 275-2080 HIGH SIERRA ELECTRONICS FAX: (530) 273-2089



DESCRIPTION:

The Model 7205-00 Antenna Lightning Protection is a gas-filled surge protection device with a changeable Gas Arrester Tube designed to protect transmitters, repeaters, and base stations from surge voltages caused by lightning or other electrical sources induced onto antenna cables. The 7205 should be installed as close as possible to the transmitter or receiver.

The device has a threaded cap on the side that contains a recess that positions the gas arrester tube in the center of the access hole. The gas discharge tube can be replaced in the event that a lightning strike causes a failure.

SPECIFICATIONS:

Maximum Continuous Operation Voltage	280 VDC
Maximum Circuit Operating Current	≤5A at 25 Degrees C.
Maximum Power with a Standing Wave Ratio (SWR)= 1.1 in a 50 ohm System	700 W
Rated Discharge Surge Current (8/20 Microseconds Test Curve)	20kA
Rated Discharge Surge Current (10/1000 Microseconds Test Curve)	100A
Output Voltage Tested with 1kV/Microsecond Waveform Line to Shield (Ground).....	700V
Leakage Current, Line-Ground	≤ 1 Micro Amp
Voltage Standing Wave Ratio (SWR).....	≤ 1.1to 2.0 Ghz
Capacitance (Common Mode)	1.5 pF
Connector Type	N, Female 50 Ohm
Temperature Range	-20 Degrees C. to +80 Degrees C.

ORDERING GUIDE:

Model 7205-00.....	Antenna Lightning Protection w/ Gas Arrester Tube
Model 7205-01.....	ALT w/ GAT and Right Angle Bracket
Model 7205-02.....	ALT w/ GAT and Straight Bracket
Model 7205 05.....	Gas Arrester Tube (GAT)
Model 7205-06.....	Threaded Cap over Gas Arrester Tube
Model 7205-07.....	Right Angle Mounting Bracket w/ Lock Washer and Hex Head Nut
Model 7205-08.....	Straight Mounting Bracket w/ Lock Washer and Hex Head Nut

02-7205-00(A)

Environmental Monitoring Solutions

WEB SITE: www.highsierraelectronics.com E-MAIL: info@highsierraelectronics.com