

**new**

product announcement

# Broadband Surge Arrestor

For 2000–2800 MHz band applications

**N**ow designers, engineers, and operators of fixed broadband wireless systems operating in the unlicensed Industrial Scientific Medical (ISM) band can protect their investments from the detrimental effects of lightning strikes with the new Broadband Surge Arrestor from Andrew Corporation.

This DC-blocking surge arrestor is designed for systems transmitting in the 2.0–2.8 GHz frequency band and delivers protection from multiple lightning strikes for the price of single-strike units. The arrestor is compatible with the IEEE 802.11b standard.

## Easy Installation

- Compact design fits in cramped installations

## Reliability

- Weather resistant in mated condition
- Patent-pending technology withstands multiple strikes

## Value

- High quality protection at a competitive price

## Features

- Outstanding return loss characteristics
- Compact design, light weight
- Weather resistant
- Extremely low throughput energy during lightning strikes



High quality system protection  
at a competitive price.



**ANDREW**

Connecting the Wireless World

**new**

product announcement

## Specifications for Broadband Surge Arrestor APB-BNFNF-2400

### General

Interface type	N-Female, N-Female
Interface standards	MIL-STD-348A, 304-2 MIL-STD-348A, 304-2
Pin depth, min/max	0.187/0.207 0.187/0.207

### Electrical

Mating pin impedance, ohms	50
Return loss, dB (MHz)	26.4 (2000–2800)
Insertion loss, dB (MHz)	Less than 0.1 (2000–2800)
Impulse discharge current	3 kA <0.5 mJ 8/20 waveform
Power rating, W	300

### Mechanical

Inner conductor finish	Silver plating
Outer conductor finish	Tri-metal plating
Grounding hardware	Nickel plated, phosphor bronze lock washer, nickel plate brass nut

### Environmental

Operating temperature, C -40° to +85°

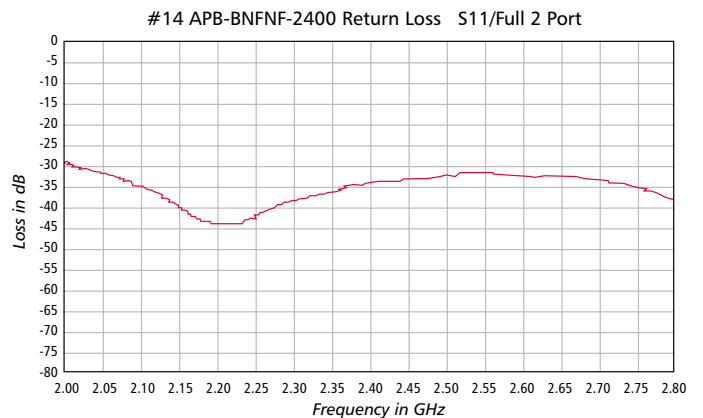
The APB-BNFNF-2400 surge arrester is a weatherproof and watertight device which has been designed to meet the following specifications:

Test	Test specification
Thermal shock	MIL-STD-202
Moisture resistance	MIL-STD-202
Sealing test	IEC 68-2-17
Corrosion (salt spray)	MIL-STD-202

### Type Number

APB-BNFNF-2400

### Return Loss



### Related Andrew Products



ValuLine® antennas



Cinta™ cable



PD series antennas



MAG Grid antennas



Microceptor™ antennas



Connecting the Wireless World

**Andrew Corporation**  
10500 W. 153rd Street  
Orland Park, IL 60462 USA

#### Customer Support Center

From North America:  
Telephone: 1-800-255-1479  
Fax: 1-800-349-5444

International:  
Telephone: +1-708-873-2307  
Fax: +1-708-349-5444

#### Internet

www.andrew.com

#### Fax-On-Demand

From North America:  
1-800-861-1700

International:  
+1-708-873-3614

All designs, specifications and availabilities of products and services presented in this bulletin are subject to change without notice.

Bulletin 10747 (6/02) Copyright © 2002  
Andrew Corporation, Orland Park, IL 60462 USA

Printed in USA