

Gas-filled surge arresters

Compact protection for power supplies in base stations

- High discharge current of up to 16 kA
- High follow current capability of 1 kA
- Suitable for IEC 61643-11 class I and II applications

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TDK Corporation presents new gas-filled EPCOS surge arresters are designed especially for use in base stations. The components have three terminals and are able to extinguish overvoltages both from L to PE as well as N to PE. The LNP20C-A1800AC-6C surge arrester is designed for an operating voltage of 250 V AC. It meets the IEC 61643-11 requirements for classes I and II and with a wave form 8/20 μ s offers a maximum discharge current of 16 kA (class II).

In order to offer the necessary overvoltage protection, the surge arrester is designed for a follow current of 1 kA. The response time is less than 100 ns. The RoHS-compatible component with the ordering code B88069X4023B201 is RoHS compatible and measures 39 mm x 26 mm x 27.5 mm and its insulation resistance is >1 G Ω at 100 V DC.

Main applications

- Base stations and other telecommunications installations

Main features and benefits

- High discharge current of up to 16 kA and high follow current capability
- Suitable for IEC 61643-11 class I and II applications

About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes electronic components, modules and systems* marketed under the product brands TDK and EPCOS, power supplies, magnetic application products as well as energy devices, flash memory application devices, and others. TDK focuses on demanding markets in the areas of information and communication technology and consumer, automotive and industrial electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2016, TDK posted total sales of USD 10.2 billion and employed about 92,000 people worldwide.

* The product portfolio includes ceramic, aluminum electrolytic and film capacitors, ferrites, inductors, high-frequency components such as surface acoustic wave (SAW) filter products and modules, piezo and protection components, and sensors.

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