



Static Discharge Choke – 10kV (SD-1)



Product Description:

The SD-1 Static Discharge Choke from LBA Technology is intended for series-fed AM broadcast towers where static charge must be safely drained before it accumulates to hazardous levels. The choke is rated for RF base voltages up to 10,000 volts (max) and is designed to operate across a typical 300–1800 kHz frequency range.

Across that operating range, the SD-1 presents increasing RF impedance at higher frequencies, helping it perform its static discharge function while maintaining suitable RF behavior within the tower system.

Notes:

- **Custom Coils Available:** Alternate frequency ranges and higher-voltage versions can be provided upon request to meet specific site requirements.
- **Outdoor Mounting Options:** Protective enclosures are available for installations that require outdoor mounting or environmental shielding.

Specifications

Catalog Number	SD-1	
Typical Frequency Range	300 - 1800 kHz	
F: Impedance	300 KHz	+j1000
	675 KHz	+j2500
	1050 KHz	+j5000
	1425 KHz	+j12,000
	1800 KHz	+j100,000
RF Voltage (max)	10,000 V	
DC Resistance	0.8 ohms	
DC Current	5 amps	
Weight	2.5 lb	
Length	11.75"	
Diameter (overall)	4"	