



Lighting Choke (TC-300)



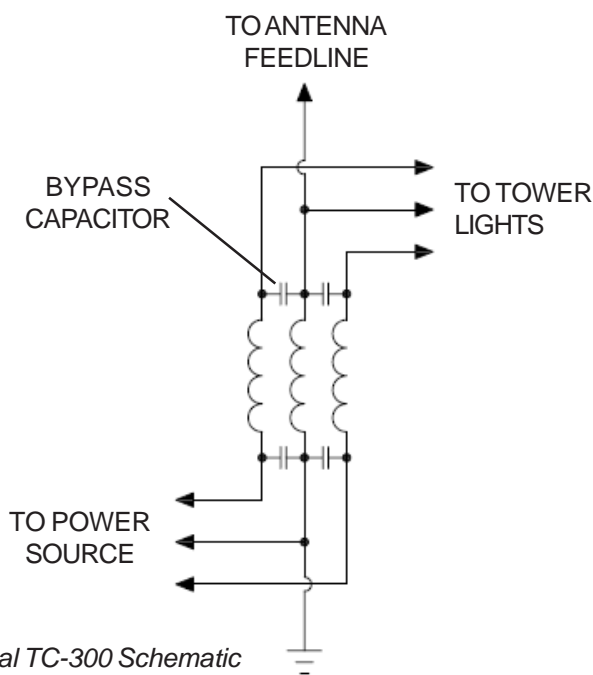
Product Description:

Tower lighting chokes are designed to pass tower lighting voltages across the base insulator of a series-fed AM tower without significantly affecting tower impedance. This allows continuous operation of obstruction lighting while maintaining proper RF performance.

LBA tower lighting chokes are precision-wound in multiple layers on low-loss phenolic forms and feature double insulation for enhanced electrical safety and long-term reliability.

These chokes are configured for three-wire 110/220 VAC lighting circuits and provide a typical reactance of +j5000 ohms at 530 kHz, effectively isolating RF energy from the lighting system. Bypass capacitors are included on each winding to further suppress RF coupling and ensure stable operation.

For reliable service, tower lighting chokes should be protected from environmental exposure. LBA Technology offers an optional weatherproof aluminum enclosure with a feed-through insulator, suitable for secure outdoor mounting.



Typical TC-300 Schematic

Specifications

Catalog Number	TC-300
Length	12.25"
Diameter (overall)	6.5"
Weight	11 lbs.
Windings	3
Bypass Capacitor (4)	4700pf
AC Voltage	110/220
Base Voltage - Maximum	10,000
Reactance @ 530 kHz	+j5000