

STL-03 Stripline Antenna

Product Overview

The TDK RF Solutions STL-03 Stripline is designed to produce high electric fields over a controlled bandwidth. It is used to perform EMC measurements according to automotive and aerospace standards in order to test the immunity of automotive and aircraft equipment to radiated electromagnetic fields.

The STL-03 uses a dual sided tapered adjustable feed design into a tunable transmission line.

Features

- Excellent TEM mode behavior
- Extended use for multi-mode testing
- Good longitudinal uniformity

Applications

- Aerospace testing
- Automotive testing
- EMC testing



The TDK RF Solutions STL-03 Stripline generates electric fields over the frequency range of DC-30 MHz, and is designed for radiated immunity testing of automotive and aircraft equipment.



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Electrical Specifications

Frequency Range:	DC - 25 MHz
VSWR:	<2.0:1 average 14:1 worst case
Polarization:	Linear, vertical
Power Handling:	5 kW and 10 kW models
Feedpoint Impedance:	50 ohms
Portability:	The stripline's feed sections are easily disassembled and moved. The main section can also be easily disassembled and moved as well.

Mechanical Specifications

Size (max.):	11.3 m x 2.5 m x 2.1 m (445" L x 98" W x 82.7" H) (length and height are adjustable)
Weight:	200 kg (441 lbs.)
Construction:	Brushed aluminum and fiberglass
RF Connector:	EIA 7/8" high power type (female)

Ordering Information

Product:	Stripline
Model Number:	STL-03
Warranty:	1 year

To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:

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