

STL-01 15cm Stripline

Product Overview

The TDK RF Solutions striplines, models STL-01 and STL-01A, are designed to produce high electric fields over a controlled bandwidth. They are used to perform EMC measurements according to automotive test standards in order to test the immunity to radiated electromagnetic fields of electrical and electronic equipment.

The STL-01 and STL-01A use a single sided tapered feed design into a matched transmission line with a tapered termination.

The striplines are available in 50 ohms and 90 ohms versions to meet your test requirements.



The TDK RF Solutions STL-01 and STL-01A Striplines are engineered to produce high electric fields used in radiated immunity testing for electrical and electronic equipment.

Model:

STL-01	(50 ohms version)
STL-01/01A	(90 ohms version)

Applications

- Automotive testing
- EMC testing

Features

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

Mechanical Specifications

Size (max. dimensions):	4.1 m L x 0.75 m W x 0.17 m H (w/o table)
	4.3 m L x 1.5 m W x 0.97 m H (with table)
Weight:	12 Kgs (w/o table) 100 Kgs (with table)
Finish:	Brushed Aluminum
RF Connector:	N type (female)

STL-01 15cm Stripline

Electrical Specifications

Frequency Range:

TEM mode:	10 kHz - 220 MHz
Multi-mode:	220 - 1000 MHz
VSWR	<2.0:1 average for TEM mode

Polarization:

TEM mode:	Linear, vertical
Multi-mode:	Linear, vertical & horizontal

Power Handling: 500 watts

Feedpoint Impedance:

STL-01:	50 ohm
STL-01A:	90 ohm
Support Table:	All striplines are mounted on a mobile support table for easy mobility

Environmental Specifications

Ambient Temperature Limits:

Operating:	0° to +40° C
Storage:	-10° to +50° C
Humidity:	Up to 95% non-condensing

Ordering Information

Product:	15cm Stripline
Model Number:	STL-01
Warranty:	1 year limited

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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