

# 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-01-2603
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:**

### TDK Electronics Europe

TDK House, 5-7 Queensway  
Redhill, Surrey RH1 1YB  
United Kingdom  
Phone: +44-(0)1737-781372, Fax: +44-(0)1737-781360  
E-Mail: [chambers@tdk.de](mailto:chambers@tdk.de)  
World Wide Web: [www.tdk-components.de/chambers](http://www.tdk-components.de/chambers)

TOTAL RF EXPERTISE™



[www.tdkrfsolutions.com](http://www.tdkrfsolutions.com)

To learn more about TDK RF Solutions' wide range of innovative products and services visit [www.tdkrfsolutions.com](http://www.tdkrfsolutions.com)

© Copyright 2001 TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.

DSSTL01100901