

# Transient Limiter for Tektronix EMC pre-compliance

## EMI-TRANS-LIMIT (Com-Power LIT-153A offered by Tektronix)



The EMI-TRANS-LIMIT (Com-Power LIT-153A) protects a spectrum analyzer input from high-level transients from the line impedance stabilization networks (LISN) during EMC conducted emissions testing. The built-in band pass filter attenuates the out-band signals at more than 20 dB/decade.

### Key features

- Frequency range of 150 kHz -30 MHz
- Built-in band pass filter attenuates the out-band signals at more than 20 dB/decade
- VSWR of <1.1:1

# Specifications

**Transient limiter**

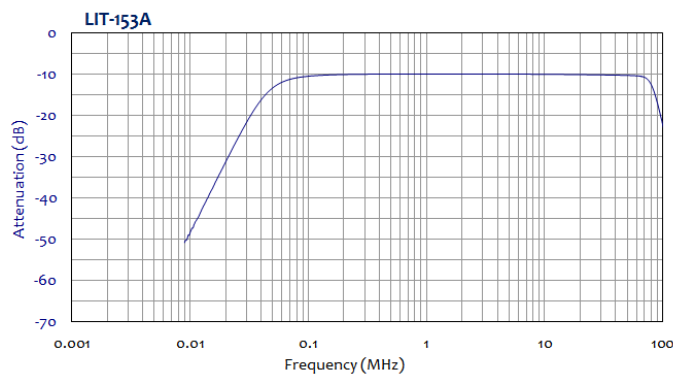
**Frequency range** 150 kHz to 30 MHz  
**Insertion loss** 10 dB +1.5 / -0.5 dB (This is in-band attenuation level.)  
**Maximum input level** 2 Watts CW (+33 dBm ) +/- 10 V DC  
 (This is the maximum in-band input level that will not damage the unit.)

**VSWR** < 1.1:1

**Connectors (input and output)** N-type

Dimensions	Length	Width	Height
	4.3 in (100 mm)	2.0 in (50 mm)	1.5 in (35 mm)

**Typical attenuation**



## Ordering information

### EMI-TRANS-LIMIT transient limiter

Item	Description
EMI-TRANS-LIMIT	Frequency Range 150 kHz to 30 MHz, Max input +33 dBm, BNC to N type

### Service

All service provided by Com-Power Corporation. Contact <https://www.com-power.com/index.html> for service.

**ASEAN / Australasia** (65) 6356 3900  
**Belgium** 00800 2255 4835\*  
**Central East Europe and the Baltics** +41 52 675 3777  
**Finland** +41 52 675 3777  
**Hong Kong** 400 820 5835  
**Japan** 81 (3) 6714 3086  
**Middle East, Asia, and North Africa** +41 52 675 3777  
**People's Republic of China** 400 820 5835  
**Republic of Korea** +822 6917 5084, 822 6917 5080  
**Spain** 00800 2255 4835\*  
**Taiwan** 886 (2) 2656 6688

**Austria** 00800 2255 4835\*  
**Brazil** +55 (11) 3759 7627  
**Central Europe & Greece** +41 52 675 3777  
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**Sweden** 00800 2255 4835\*  
**United Kingdom & Ireland** 00800 2255 4835\*

**Balkans, Israel, South Africa and other ISE Countries** +41 52 675 3777  
**Canada** 1 800 833 9200  
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**Italy** 00800 2255 4835\*  
**Mexico, Central/South America & Caribbean** 52 (55) 56 04 50 90  
**Norway** 800 16098  
**Portugal** 80 08 12370  
**South Africa** +41 52 675 3777  
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\* European toll-free number. If not accessible, call: +41 52 675 3777

**For Further Information.** Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit [www.tek.com](http://www.tek.com).

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