

Limiter Type MTA-IMP-136

Item no. 11924

Application

In conducted EMC measurement fast and high peaks appear which can destroy input circuits of test receivers and other measurement equipment.

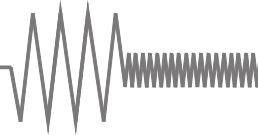


Solution

The MTA-IMP-Limiter offers fast limitation response with stable impedance values. Noise peaks will be reduced to 136 dB μ V to protect sensible test receiver inputs. The limiter will be simply connected with BNC connectors at the test receiver input. Each device will be delivered with the records of the insertion loss.

Characteristics

- ▶ Frequency range DC...230 MHz
- ▶ Limitation 136 dB μ V
- ▶ Attenuator 10 dB
- ▶ Fast response time



Limiter Type MTA-IMP-136

Item no. 11924

Technical datas:

Electrical specifications:

Frequency range:	DC to 230 MHz
Impedance:	50 Ω
VSWR input:	< 1 : 1,20
VSWR output :	< 1 : 1,30
Limitation:	136 dB μ V
Peak power handling:	150 mWs
Attenuator:	10 dB/ 0,5 W
Technology:	Semiconductor Limiter

Comments:

Warranty: 12 month

Recommended accessories:

- measurement cable, BNC

Connectors:

Input:	BNC, male
Output:	BNC, female

Mechanical specifications:

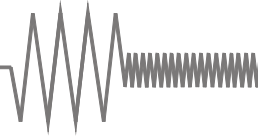
Dimensions (w x h x d):	20 x 20 x 69 mm
Surface:	Alloy, silver plated
Weight:	35g

Environmental conditions:

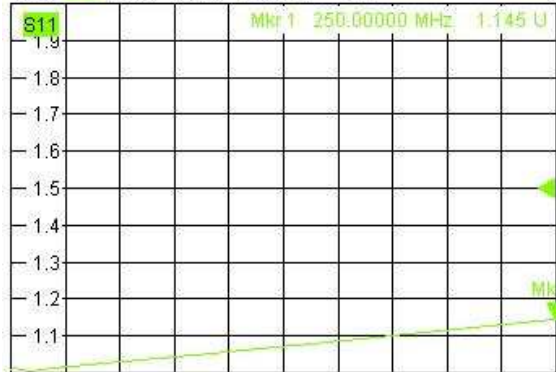
Operation temperature:	+5 $^{\circ}$ C to +60 $^{\circ}$ C
Reference temperature for declared specifications:	+5 $^{\circ}$ C to +60 $^{\circ}$ C
Storage temperature:	-30 $^{\circ}$ C to +70 $^{\circ}$ C

Delivery package:

- Limiter MTA-IMP-136
- Datasheet
- Correction values (S21)
- COC

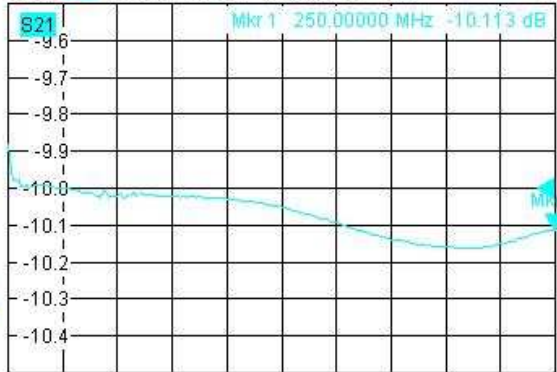


Trc1 **S11** SWR 0.1 U / Ref1.5 U Cal 1



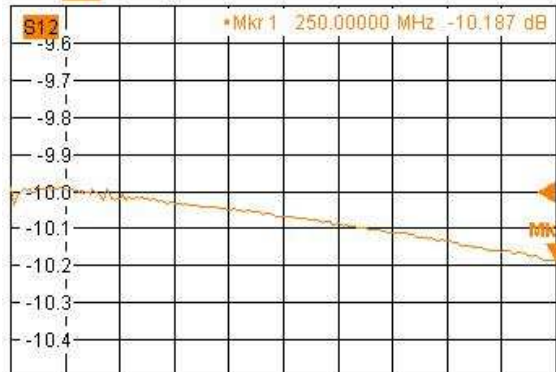
CH1 Start 300 kHz Pwr 0 dBm Stop 250 MHz

Trc2 **S21** dB Mag 0.1 dB / Ref-10 dB Cal 2



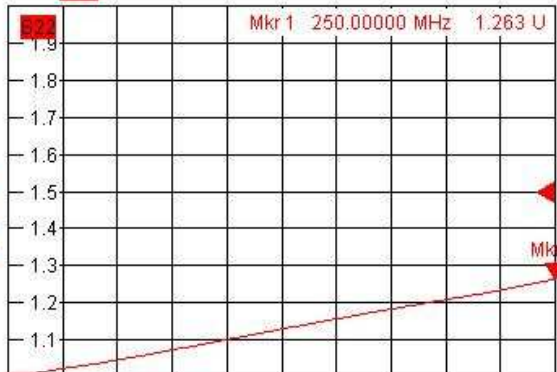
CH2 Start 300 kHz Pwr 0 dBm Stop 250 MHz

Trc3 **S12** dB Mag 0.1 dB / Ref-10 dB Cal 3



CH3 Start 300 kHz Pwr 0 dBm Stop 250 MHz

Trc4 **S22** SWR 0.1 U / Ref1.5 U Cal 4



CH4 Start 300 kHz Pwr 0 dBm Stop 250 MHz

8/16/2006, 1:45 PM