

Transient Limiter

GPL-5010

USER MANUAL

GW INSTEK PART NO.



ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

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O VERVIEW

GWINSTEK GPL-5010 transient limiter is commonly used to test electromagnetic interference. For EMI testing, when accidentally overloaded, it can protect the terminal circuit and the valuable EMI test equipment. Meanwhile, together with our GLN-5040A Two Line V-Network, they constitute a complete EMI test system.



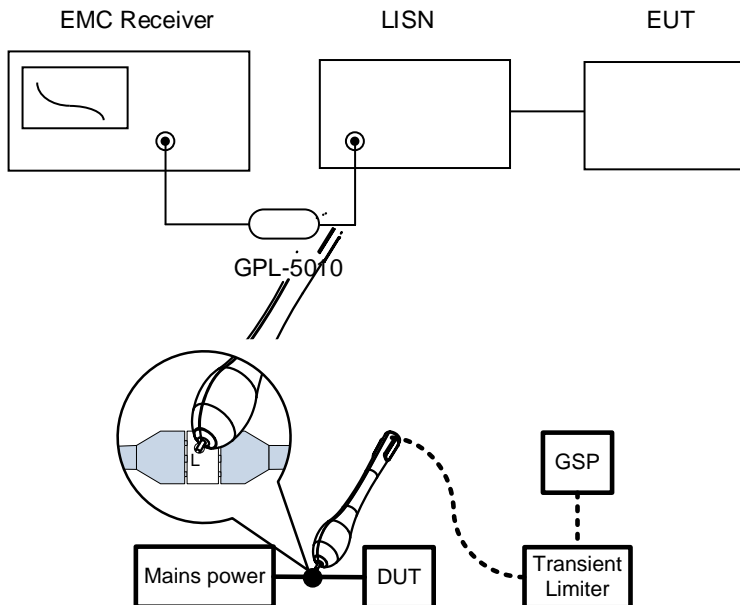
P PACKAGE CONTENTS

Item	Quantity
Limiter main unit	1 Pcs
User instruction manual and warranty card	1 Book
Test report	1 Sheet

AAPPLICATION

- It can be used in Power supply (switch type and linear) design.
 - It can be used in Inverter/transformer design.
 - It can be used in LED illumination design.
-

S SCHEMATIC DIAGRAM



A PPEARANCE



Input Interface: BNC female

Output Interface: N male

A PPENDIX

GPL-5010 Specifications

Bandwidth	9kHz-200MHz
Limit level	50mW(+17dBm)
System impedance	50Ω
Connectors	Input : BNC (female) Output : N (male)
Maximum input level	Continuous: 2.5W(+34dBm) Pulse: 10kW(10uS) DC: ±12V
Insertion loss	<2kHz >30dB 9kHz-50MHz 10dB±0.5dB 50MHz-200MHz 10dB+2.2dB/ 10dB-0.5dB <6kHz, >400MHz >13dB
Frequency response curve	Figure 1(25°C)
Amplitude limiting specification curve	Figure 2(25°C)
Operating temperature	0°C-55°C
Storage temperature	-40°C-80°C
Dimensions	118mm(L)x44mm(W)x23mm(H)
Weight	Approx. 92g
Certification	CE(EN61010-1:2010 EN61326-1:2013 EN61000-3-2:2014 EN61000-3-3:2013)

Figure 1
Frequency
Response Curve

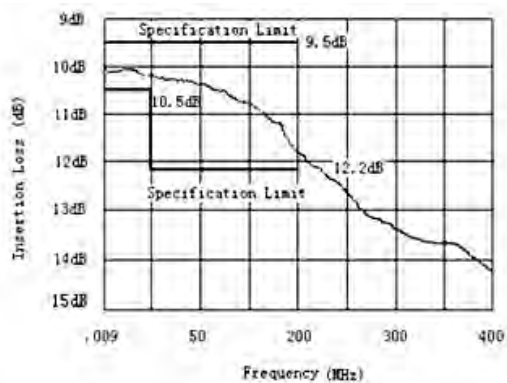


Figure 2
Amplitude
Limiting
Specification
Curve

