

# LPB

## Datasheet

### Features

- Over voltage protection
- RF high pass filter at 83MHz
- Low insertion loss
- Ultra wide bandwidth

### Applications

- Over voltage protection for LAG (Low Noise Amplifier for GIS)



### Description

### Electrical Specifications

### Absolute Maximum Ratings

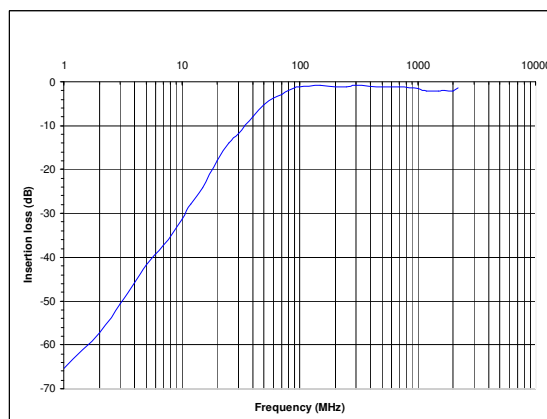
Parameter	Symbol	Min	Typ	Max	Units
Storage temperature		-40		85	°C

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

### Operating Conditions @ 25 °C

Parameter	Symbol	Min	Typ	Max	Units
LPB voltage out @ 128V input voltage			1.6 -6		Vp+ Vp-
Insertion loss (90MHz-2.2GHz)		0.8	1.5	2.1	dB
Frequency range		83		2200	MHz
Impedance			50		$\Omega$
Operating temperature	T <sub>A</sub>	0		70	°C

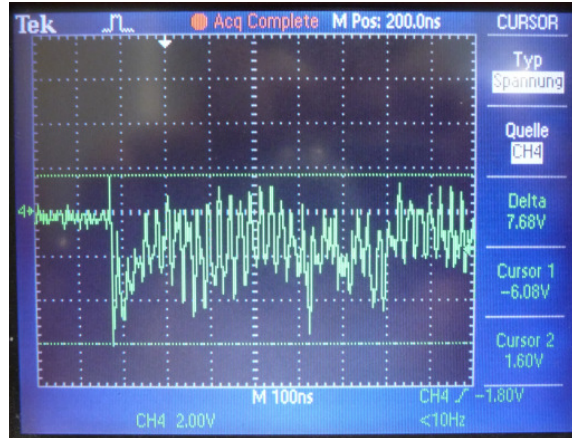
### Typical Frequency Characteristics



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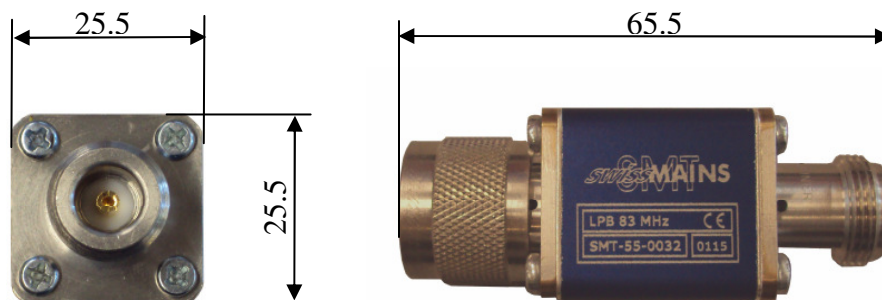
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### Typical Output during a breakdown at 128V input



### Mechanical Specification

#### Dimensions



Dimensions in mm

### Connections

Connection	Connector
RF Inputs	Type N male
RF Outputs	Type N female

### Ordering Information

Part	Stocked	Ordering No.
LPB 83 MHz	yes	SMT-55-0032

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