

... RFI Voltage Measurements

RFI suppression in vehicles

Antenna Impedance Converter	EZ-12	9 kHz to 30 MHz	see data sheet PD 0756.7271
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Measuring aids

Pulse Limiter ESH3-Z2, Attenuator ESH2Z11

High RF input levels and high-energy interfering pulses generated on artificial mains networks when the DUT is switched on and off can damage the RF input circuits of test receivers.

Pulse Limiter ESH 3-Z2 limits and **Attenuator ESH 2Z11** reduces the interference level.



ESH3-Z2

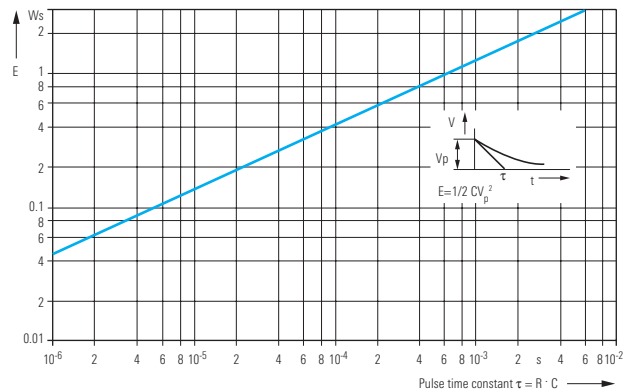
ESH2Z11

Specifications

	ESH3-Z2	ESH2Z11
Frequency range	0 Hz to 30 MHz	0 Hz to 1500 MHz
Insertion loss	10 dB \pm 0.3 dB	–
f \leq 500 MHz	–	20 dB \pm 0.25 dB
f \leq 1000 MHz	–	20 dB \pm 0.5 dB
f \leq 1500 MHz	–	20 dB \pm 1.5 dB
Frequency response	\leq \pm 0.3 dB	–
Characteristic impedance	50 Ω	–
SWR with 50 Ω termination, input/output	\leq 1.06/ \leq 1.25	–
Power-handling capacity in continuous mode	1 W	10 W
Pulse power-handling capacity	E=0.1 Ws (6 μ s), see diagram	P=750 W (3 μ s)

General data

Nominal temperature range	–10°C to +45°C	–55°C to +125°C
Storage temperature range of ESH3-Z2	–25°C to +70°C	–
RF connectors	N (female/male)	N (female/male)
Dimensions (L x W x H or L x dia.)	94 mm x 25 mm x 25 mm	97 mm x 42 mm
Weight	120 g	150 g



Pulse power-handling capacity of Pulse Limiter ESH 3-Z2
(pulse energy = $f(t)$)

Ordering information

Pulse Limiter	ESH3-Z2	0357.8810.54
Attenuator	ESH2Z11	0349.7518.52