TS 23
Pulse Generator

Short description

The TS 23 is a generator for disturbing electronic devices with voltage pulses. The TS 23 has symmetrical and galvanically isolated outputs.

The pulses generated by the disturbance generator are characterized by a rise time of 1.5 ns, a pulse width of 12 ns and a pulse voltage from 10 V up to 2.2 kV. The maximum repetition frequency of the pulses for continuous pulsing is 1.5 kHz. In addition, Pulse Groups with a number of 1 - 50 pulses can be generated at the output of the generator. The modulator integrated in the generator can further generate different variations in the pulse height, for example a voltage ramp. The polarity of the pulses can be reversed with a switch. A pulse rate counter with an optical input which detects signals from assemblies is integrated into the TS 23. The TS 23 is the main component of the E2 set.

Technical parameters

Device functionality:	
Operating Modes	Continuous, Ramp, Pulse Groups, Boost, External Trigger
Pulse parameter	
Rise time	1.5 ns
Max. Pulse voltage	2.2 kV (adjustable)
Polarity	+/- (adjustable)
Pulse repetition frequency	max. 1.5 kHz (adjustable)
Connector	SMB
Optical input	
Optical fiber	2.2 mm
Max. frequency	5 MHz
Min. pulse width	100 ns
Supply voltage	24 V / 1 A DC
Weight	850 g
Sizes (L x W x H)	(160 x 200 x 75) mm