

# Intensity converters of impulse electric field measuring ИППЛ



## IT IS DESIGNED FOR

transforming the amplitude-time parameters of electric field intensity pulses with a front duration in the nanosecond and subnanosecond range, including ultrashort electromagnetic pulses, in electrical signals available for oscillographic recording of automated systems.

## IT CAN BE USED

in radioelectronic industry.

## MODE OF OPERATION

based on the conversion of the intensity of a pulsed electromagnetic TEM wave into an electric signal proportional to magnitude, available for oscillographic recording.

Names of characteristics	Values of characteristics			
	Modification			
	ИППЛ-Л	ИППЛ-М	ИППЛ-Д	ИППЛ-Р
Conversion coefficient $V \cdot V^{-1} \cdot m$	from $10^{-3}$ to $10^{-5}$	from $10^{-3}$ to $10^{-7}$	from $10^{-4}$ to $10^{-7}$	from $10^{-1}$ to $10^{-4}$
Limits of permissible relative error of conversion coefficient, %	$\pm 10$		$\pm 20$	
Rise time of the transient response between levels from 0,1 to 0,9 of the steady-state amplitudes, ns	from 3 to 150	from 25 to 1000	from 50 to 1000	from 50 to 200
Duration of the transient response at the level of 0,5 of the steady-state amplitude value, ns	from 0,1 to 10,0	from 10 to 250	from 10 to 250	from 0,1 to 3,0
Limits of permissible relative error in the measurement of time intervals, %	$\pm 15$			