

## Products - FPG series - FPG-HF High PRF Pulsers

FID GmbH has developed FPG-HF high pulse repetition rate pulsers with PRF from 100 kHz to several megahertz. FPG-HF pulsers are manufactured in both desktop or rack mount housings and are convenient for laboratory or industrial use. FPG-HF series includes all common features of [FPG series](#) ➔.

FPG-HF series can have the same rise time as [FPG-N](#) ➔, [FPG-P](#) ➔ and [FPG-SP](#) ➔ series.

The following table of reference models of pulse generators will help you to estimate FID GmbH possibilities.

Series	Output voltage	Rise time	Pulse width	Max pulse repetition frequency	Size (mm)	Lead time (months)
FPG 1-NHF	1 kV	1-3 ns	2 - 5 ns	3 MHz	300x200x120	4
FPG 5-NHF	5 kV	1-3 ns	2 - 5 ns	500 kHz	400x400x160	4
FPG 10-NHF	10 kV	1-3 ns	2 - 5 ns	200 kHz	400x400x160	4
FPG 50-NHF	50 kV	1-3 ns	2 - 3 ns	10 kHz	400x400x160	4
FPG 02-PHF	0,2 kV	<1 ns	1-2 ns	10 MHz	100x100x30	3
FPG 1-PHF	1 kV	<1 ns	0.2 - 3 ns	1 MHz	300x200x120	4
FPG 5-PHF	5 kV	<1 ns	0.2 - 3 ns	300 kHz	400x400x160	4
FPG 10-PHF	10 kV	<1 ns	0.2 - 3 ns	100 kHz	300x200x120	4
FPG 50-PHF	50 kV	<1 ns	1 - 2 ns	10 kHz	400x400x160	4

All specifications are given at 50-100 Ohm

Total efficiency can be 60-70% at the pulse width from 1 to 3 ns

Pulse duration is given at 50% of amplitude, other pulse widths are possible

Maximum PRF is given in continuous mode

Burst operation mode is possible

Dimensions and lead time are approximate

Please also visit our [Applications](#) ➔ section, which describes pulse generators developed for specific fields of use.