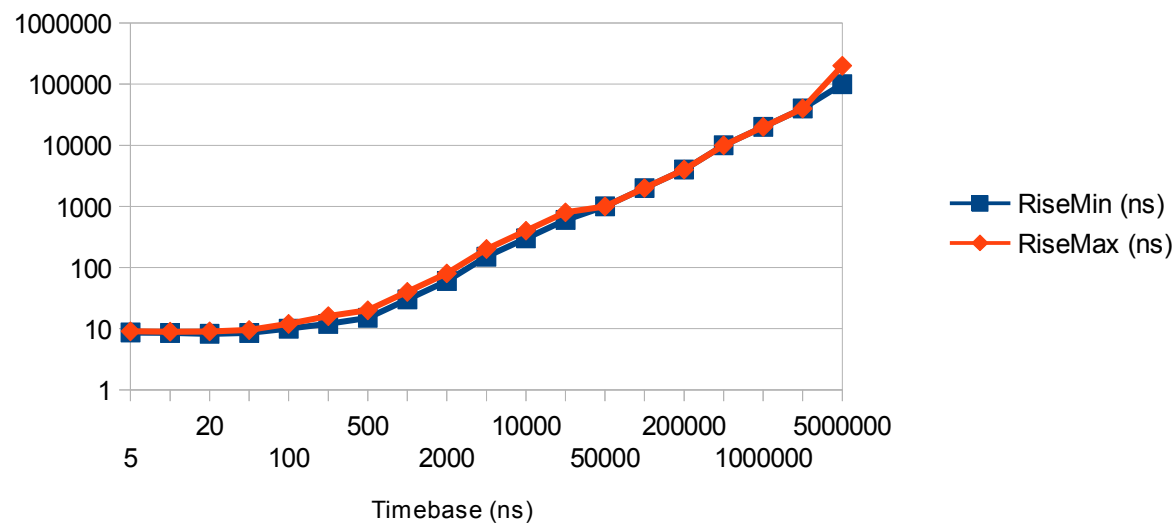


Test

Rigol DS1000Z (100MHz, 4ch, 2016 model): testing 10Vpp, 32768Hz square wave

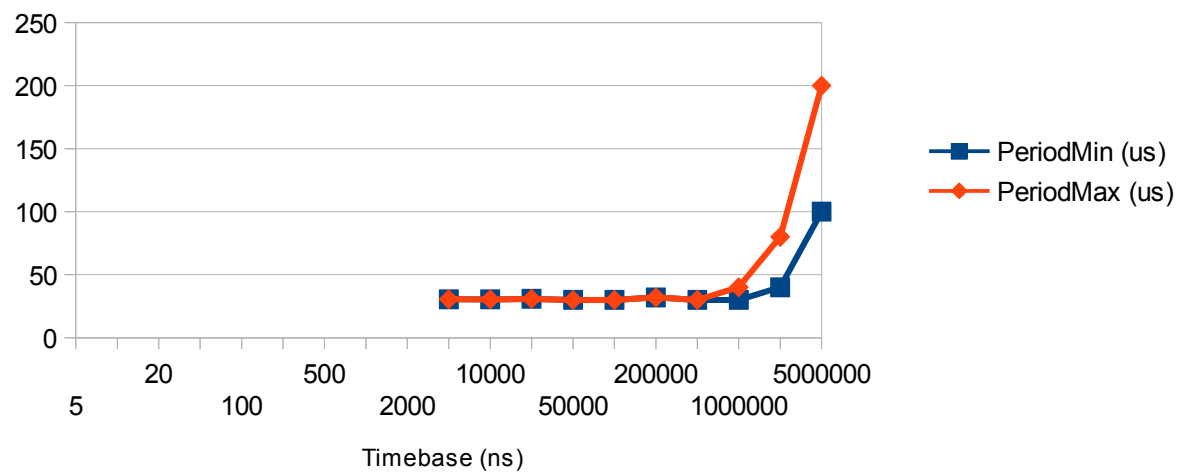
Timebase (ns)	Memory MS/s	RoT formula*	Screen MS/s*	RiseMin (ns)	RiseMax (ns)	PeriodMin (us)	PeriodMax (us)
5	1000	0,2	5000	8,65	9,05		
10	1000	0,4	2500	8,5	8,9		
20	1000	0,8	1250	8,2	9		
50	1000	2	500	8,5	9,5		
100	1000	4	250	10	12		
200	1000	8	125	12	16		
500	1000	20	50	15	20		
1000	1000	40	25	30	40		
2000	1000	80	12,5	60	80		
5000	1000	200	5	150	200	30,5	30,5
10000	1000	400	2,5	300	400	30,4	30,4
20000	1000	800	1,25	600	800	30,8	30,8
50000	1000	2000	0,5	1000	1000	30	30
100000	1000	4000	0,25	2000	2000	30	30
200000	1000	8000	0,125	4000	4000	32	32
500000	1000	20000	0,05	10000	10000	30	30
1000000	500	40000	0,025	20000	20000	30	40
2000000	250	80000	0,0125	40000	40000	40	80
5000000	125	200000	0,005	100000	200000	100	200

RiseMin & RiseMax (ns)



PeriodMin & PeriodMax (us)

Correct value: 30.518us



*Rule of thumb formula for apparent "Screen sampling rate" in case of risetime calculation: $Timebase / 25$