

MPPC SPICE parameters

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- SPICE parameters

	Symbol	S13360-3050UVE	S14160-3075UVE	Unit
Number of pixels / channel	N	3584	1600	-
Junction capacitance	Cd	85	215	fF
Quenching capacitance	Cq	17	25	fF
Parasitic capacitance	Cg	19	19	pF
Quenching resistance	Rq	300	270	k Ω
Diode resistance	Rd	1000	1000	Ω
Breakdown voltage	Vbd	53	53	V

- Equivalent circuit

* N_f : Number of fired pixels

S: Switch: $T_{rise} = 100\text{ ps}$, $T_{fall} = 100\text{ ps}$, $T_{on} = 1\text{ ns}$ (Typically)

