

**Features**

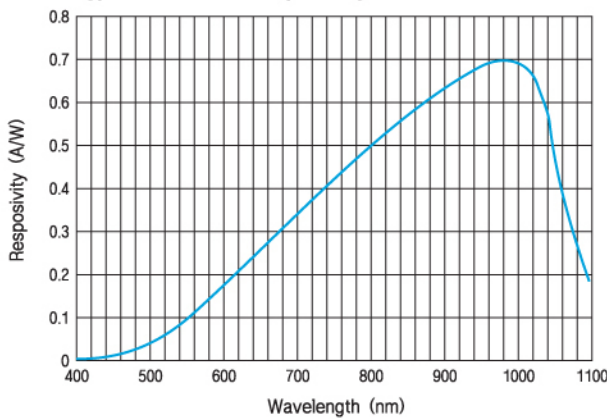
- Nd:YAG Sensitivity
- High Breakdown Voltage
- Large Area
- High Speed
- High Accuracy

**Applications**

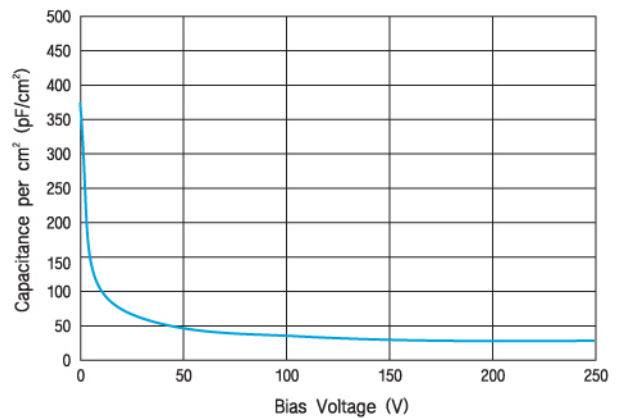
- Nd:YAG Pointing
- Laser Pointing & Positioning
- Position Measurement
- Surface Profiling
- Guidance Systems



Typical YAG Series Responsivity



Typical Capacitance per Unit Area vs. Bias Voltage



Model Number	Active Area		Peak Responsivity Wavelength	Responsivity (A/W)	Element Gap	Dark Current (nA)		Capacitance (pF)		Rise Time (ns)	NEP (W/√Hz)	Reverse Voltage (V)	Temp. Range (°C)		Package Style
	Area (mm²)	Dimensions (mm)				λ, p nm	1000 nm	mm	-180V				-180 V	1064nm -180 V 50Ω	
	typ.	typ.	typ.	typ.	typ.	max.	typ.	max.	typ.	max.					

**Nd:YAG Optimized Single Element**

PIN-5-YAG	5.1	2.54 Ø	1000	0.6	-	50	-	5	-	5	1.2e-14	200	-40	+100	TO-5
PIN-100-YAG	100	11.28 Ø				75	1000	25	-	3.0	2.5e-14		-55	+125	

**Nd:YAG Optimized Quadrant Photodetectors\***

SPOT-9-YAG	19.6	10 Ø	1000	0.6	0.1	35	250	8	15	7	3.2e-14	200	-20	+60	Metal
SPOT-15-YAG	38.5	14.0 Ø			0.2	1000	3000	15	30	8	3.4e-14		-20	+80	

\*Specifications are per element