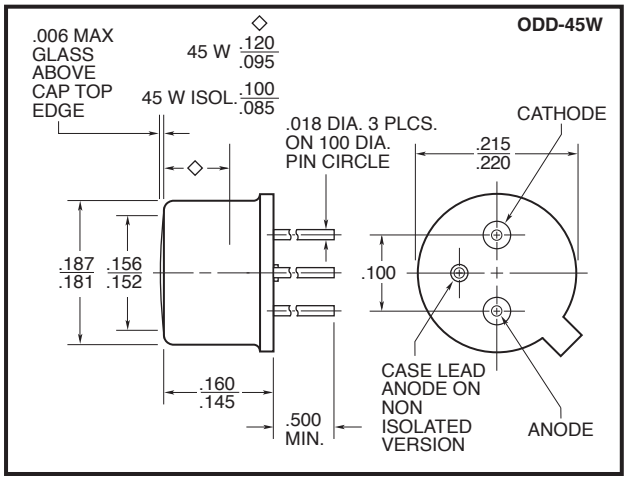
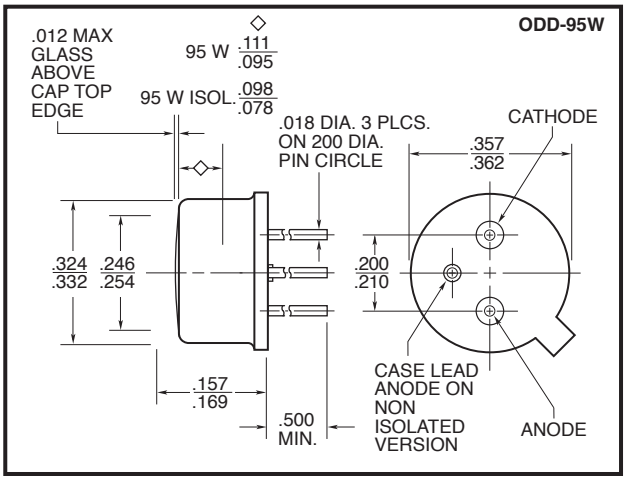
HIGH-SENSITIVITY GaAlAs PHOTODIODE ODD-45W/95W





Pb
RoHS

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

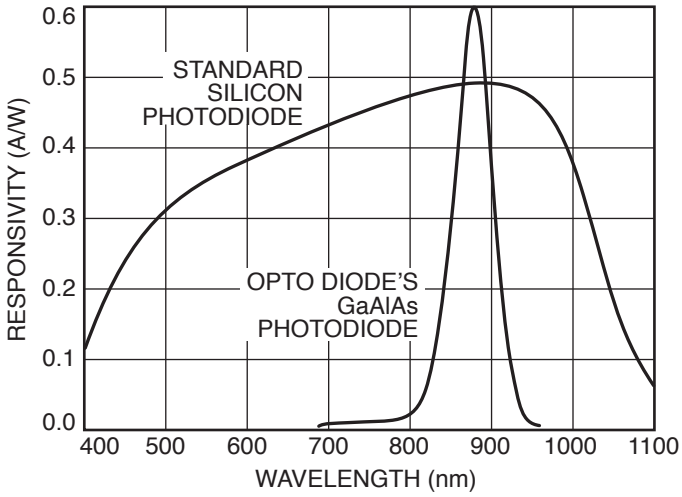
PARAMETERS		TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area	45W			1		mm^2
	95W			5		mm^2
Peak Sensitivity		V_R = 0V		880		nm
Responsivity at 880nm			0.5	0.6		A/W
Responsivity at 750nm				0.01		A/W
Responsivity at 650nm				0.005		A/W
Spectral Bandwidth at 50%				60		nm
Dark Current	45W	V_R = 5V		0.4	2	nA
	95W	V_R = 5V		1	5	nA
Shunt Resistance	45W	V_R = 10 mV		3		Gohm
	95W	V_R = 10 mV		1		Gohm
Response Time	45W	V_R = 5V, R_L = 50Ω		1		µsec
	95W	V_R = 5V, R_L = 50Ω		1		µsec
Breakdown Voltage	45W	I_R = 10µA	20	30		V
	95W	I_R = 10µA	5	10		V
Capacitance	45W	V_R = 0V		170		pF
	45W	V_R = 5V		90		pF
	95W	V_R = 0V		700		pF
	95W	V_R = 5V		350		pF

ABSOLUTE MAXIMUM RATINGS AT 25°C

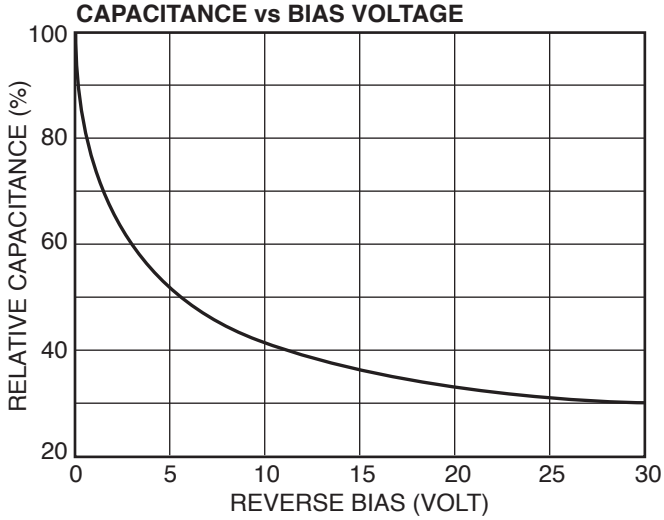
Storage and Operating Temperature Range	-55°C to 100°C
Maximum Junction Temperature	100°C
Lead Soldering Temperature (1/16" from case for 10 sec)	260°C

OPTO DIODE CORP.
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Phone: (805) 499-0335, Fax: (805) 499-8108
Email: sales@optodiode.com, Website: www.optodiode.com

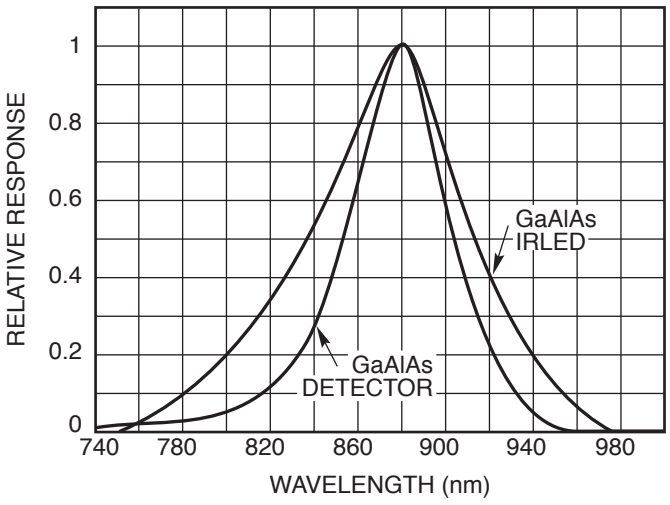
SPECTRAL RESPONSE



CAPACITANCE vs BIAS VOLTAGE



MATCHED PAIR SPECTRUM



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