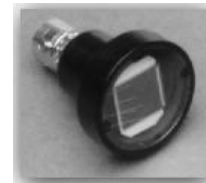


Ge PN Photodiodes Large Area

GM10HS & GM13HS

Spectral Range

800nm – 1800nm



Features

- Large active area 10x 10 and 10dia (mm)
- BNC-, Ceramic- and TO Style Packages
- Excellent Uniformity of Response
- Alternative / Replacement devices for the J16-P1... series
- High Response
- Planar Design for Reliability

Applications

- Optical Power Meters
- Fibre Testing
- Laser diode Monitoring
- Temperature Sensors
- Infrared Sensor
- Short Haul Data-, Optical and Tele- Communication

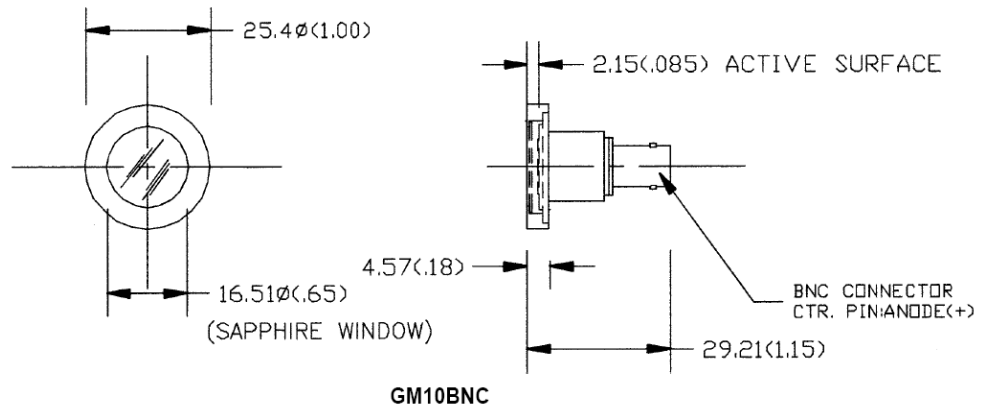
Technical Data

Parameter	Units	GM10HS	GM13HS
Active Area	mm, dia	10 x 10	13
Shunt Resistance @10mV min	KOhm, min	2	1
Shunt Resistance @10mV min	KOhm, typ	3.5	2
Dark Current @ 0,5 V Bias	mA, max	50	100
Bias (Test)	V	0.5	0,5
Bias Max	V	1	1
Capacitance	pF, max	30.000	50.000
NEP, Peak	pW / $\sqrt{\text{Hz}}$	4	8
Cutoff Frequency @ 0,5 V @50 Ohm R _L	MHz	0.1	0,05
Packages		Ceramic Carrier, BNC- and TO9- Package	TO9 – Package

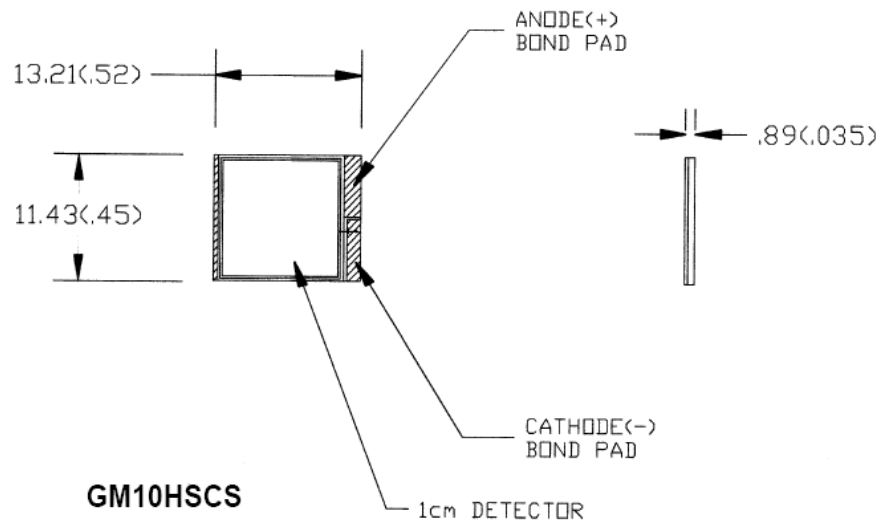


Carriers and Packages

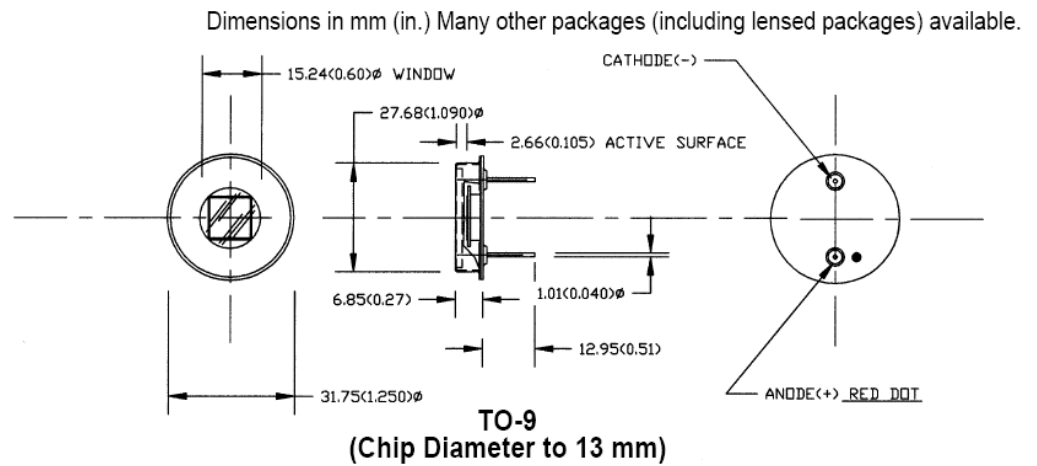
1 inch, BNC (GM10HS)



Ceramic Carrier (GM10HS)



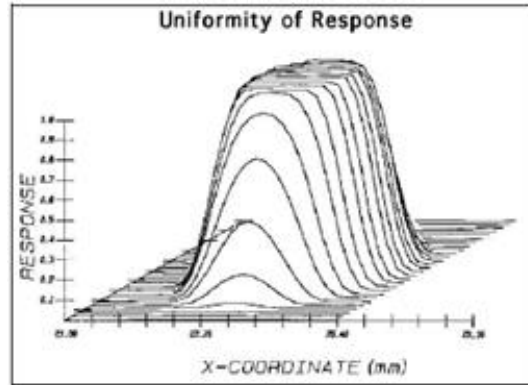
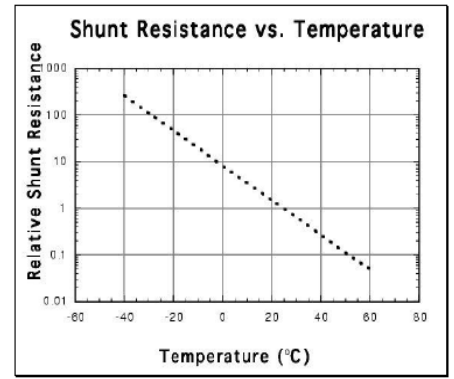
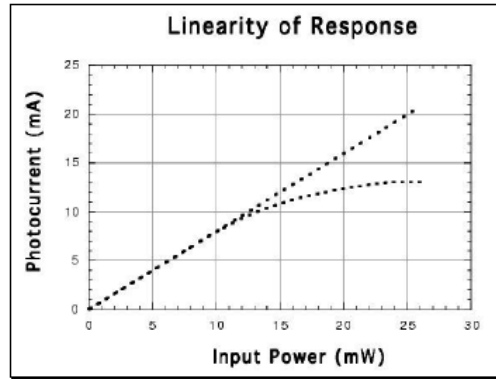
1,25 inch TO9 (GM10HS & GM13HS)



OEC
Opto-Electronic
Components



YOUR PARTNER



Responsivity vs. Wavelength

Series	WAVELENGTH					
	850		1300		1550	
	min.	typ.	min.	typ.	min.	typ.
GM	.20	.26	.60	.65	.75	.85
GMHS	.20	.26	.60	.70	.75	.85
GMVHS	.20	.26	.60	.70	.80	.85
GMVHR	.26	.32	.70	.80	.82	.87
GEP	.20	.26	.60	.65	.75	.85

