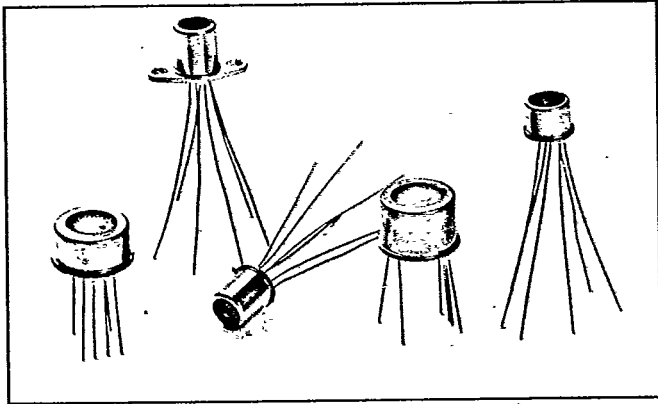


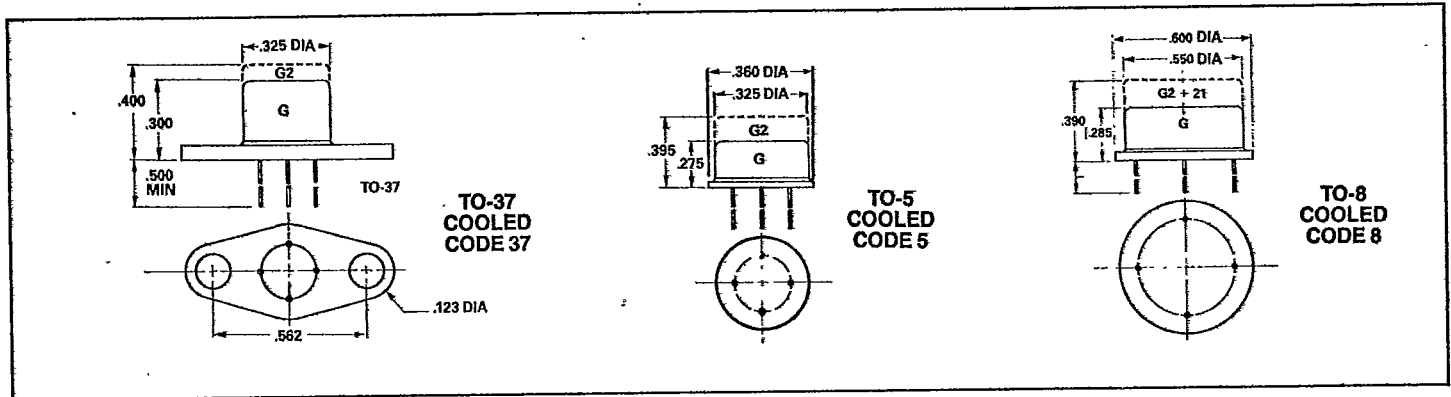
NEW ENGLAND PHOTOCONDUCTOR



Lead Selenide Thermoelectrically Cooled Detectors Series G-G2-G21

FEATURES

- Hermetically Sealed Packages
- Customized Wavelength Response
- Customized Test Procedure
- Guaranteed Delivery
- 2 Year Guarantee
- Customized Filters Available



Electrical Specifications			
Test Conditions at 25° C	G	G2	G21
D* (Pk.,1000,1) × 10 ⁹	7.0	12.0	15.0
Wavelength Cut-off Microns	5.2	5.3	5.3
Peak Wavelength Response	4.3	4.5	4.5
Time Constant μ Seconds	10	15	20
Resistance Megohms	1-7	1-10	1-15
Operating Temperature, °C	-20	-30	-45
Cooler Power	1.2V/1.8A	1.3V/1.6A	2.2V/1.2A

HOW TO ORDER:

Select the proper electrical type (G, G2, G21) and match it with the proper mechanical and package code number. Example: G2-1-5, G-2-37, G21-2-8. The active areas listed above are considered standard sizes. Special sizes are available upon request.

Mechanical Specifications								
Code Number	Active Area		Bias Voltage		Typical VW ⁻¹ Responsivity			Package Size
	Inches	mm	Typical	Maximum	-20	-30	-45	
1	.040	1	50	100	9000	13000	16000	TO5-37-8
2	.080	2	100	200	5000	8000	10000	TO5-37-8
3	.120	3	150	300	3000	5000	6500	TO5-37-8
4	.200	5	250	500	2000	3000	3500	TO8

See Page 15 for additional technical information.