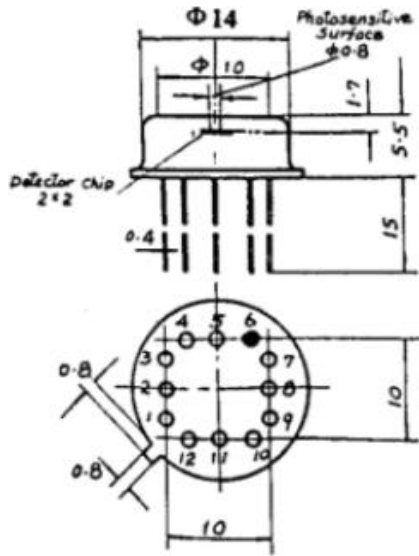


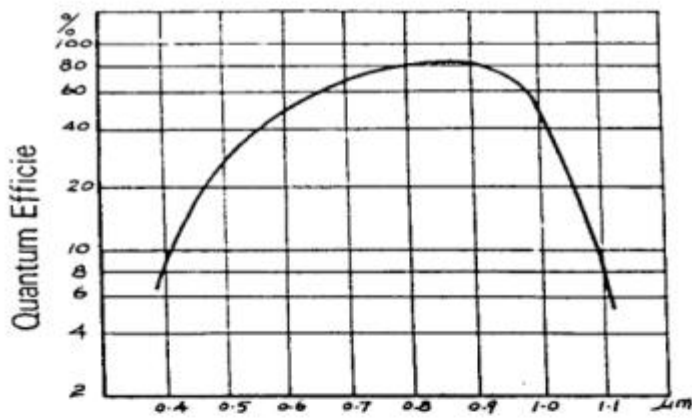
Parameter		Symbol	Unit	Numerical Value			
				Min	Typical	Max.	
1	Photosurface	Diam	Φ	mm		0.8	
		Area	A	mm ²		0.5	
2	Spectral Range			nm	400		1100
3	Dark Current		I_d	nA			200
4	Working Voltage		V_{opt}	V	275		425
5	Operating voltage temperature coefficient		K	V/°C	1.0		2.4
6	Voltage Response	1064nm	R_v	V/W×10 ⁵	1.1	2.0	
			R_v	V/W×10 ⁵			
7	Noise equivalent power	1064nm	NEP	PW/Hz ^{1/2}		0.19	0.29
			NEP	PW/Hz ^{1/2}			
8	Response rise time		T_r	ns		2	4
9	Response fall time		T_f	ns		2	4
10	Output Impedance			Ω		25	50
11	Output terminal bias voltage			V	0.0	0.2	1.0
12	Amplifier supply voltage		V_S	V		±5.0	
13	Amplifier supply current		+ I_S	mA		20	
14	Amplifier supply current		- I_S	mA		10	
15	Maximum reverse dark current		T_a	°C	-40		+70
16	Maximum reverse dark current		I_D	μ A			0.2
17	Maximum photocurrent	Average	I_P	mA			2.5
		Peak	I_P	mA			10



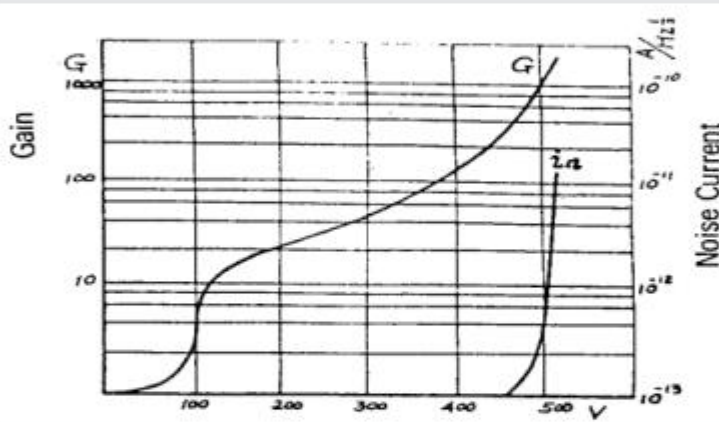
Construction and dimensions

Pin	Join Methods
1	Signal Output
2	—
3	Input Power $\pm 5V$
4	APD bias voltage
5	—
6	Pipe shell earthing
7	Load earthing
8	Temperature compensation AD509: anode
9	Temperature compensation AD509: cathode
10	Input Power earthing
11	—
12	Input Power $\pm 5V$

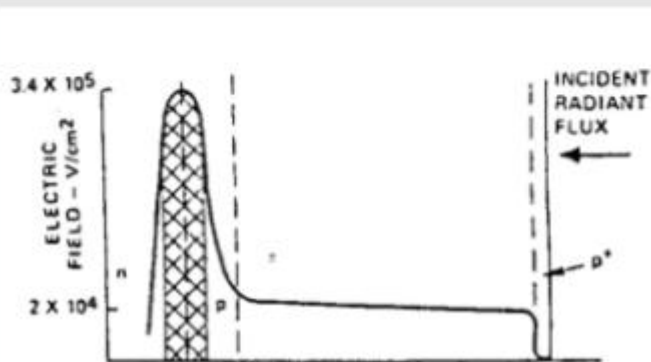
Pin Join Methods



Spectral response curve



$G \sim V_{\text{opt}}$, $I_n \sim V_{\text{opt}}$ curve



electric-field distribution