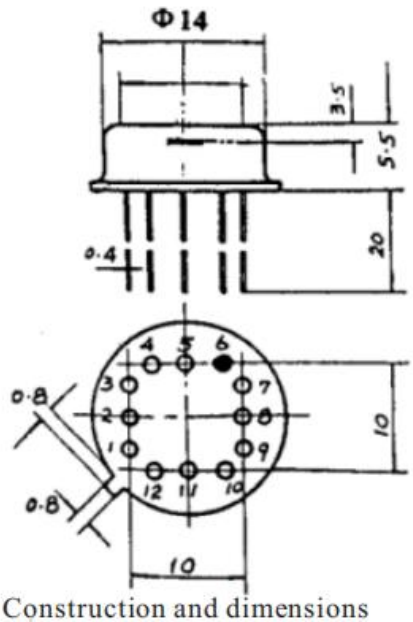
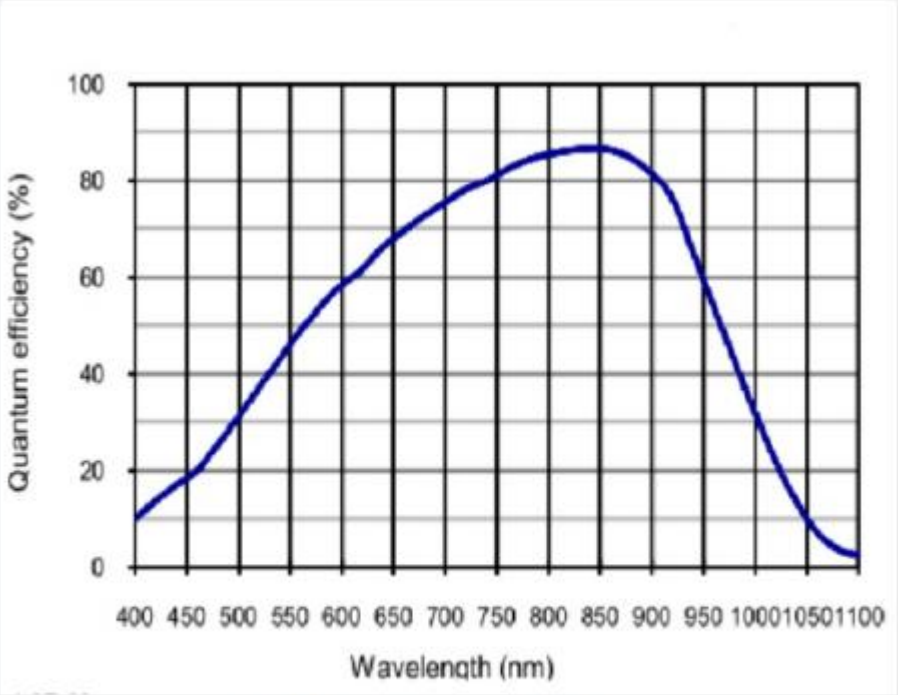
Parameter			Symbol	Unit	Numerical Value		
					Min	Typical	Max.
1	Photosurface	Diam	Φ	mm		0.5	
		Area	A	mm^2		0.196	
2	Spectral Range			nm	400		1100
3	Dark Current		I_d	nA			200
4	Working Voltage		V_{opt}	V	160		240
5	Operating voltage temperature coefficient		K	V/°C	1.25		1.55
6	Voltage Response	1064nm	R_V	$V/W\times10^6$	0.6	2.5	
			R_V	$V/W\times10^6$			
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		7	10
9	Responce fall time		T_f	ns		7	10
10	Output Impedance			Ω		25	50
11	Output terminal bias voltage			V	0.0	0.2	1.0
12	Amplifier supply voltage		Vs	V		±5.0	
13	Amplifier supply current		+Is	mA		20	
14	Amplifier supply current		−Is	mA		10	
15	Maximum reverse dark current		Ta	°C	−40		+70
16	Maximum reverse dark current		I_D	μA			0.2
17	Maximum photocurrent	Average	I_P	mA			2.5
		Peak	I_P	mA			10



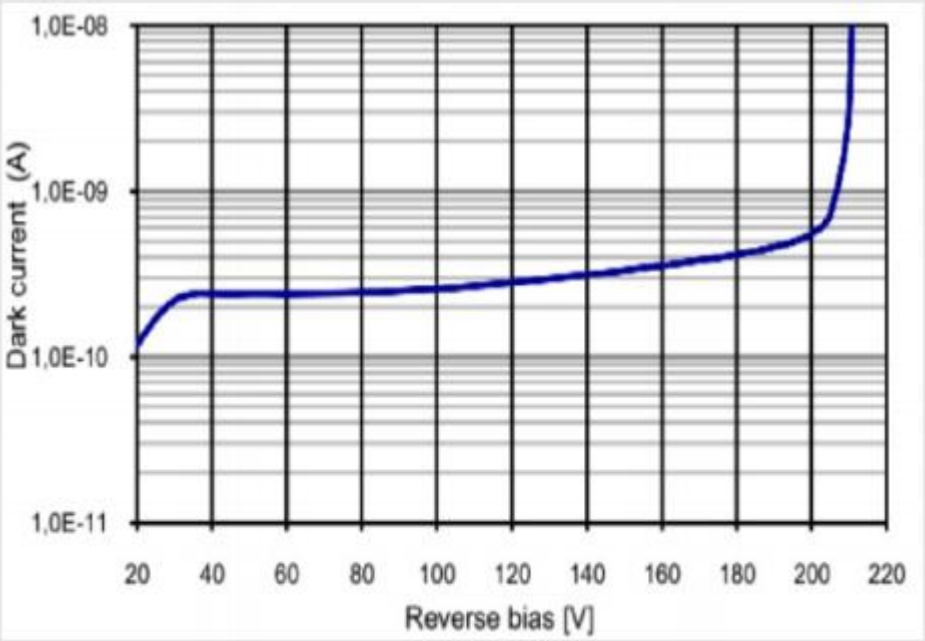
Construction and dimensions

Pin	Join Methods
1	Signal Output
2	—
3	Input Power : -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 : +5V

Pin Join Methods



Spectral response curve



$G \sim V_{opt}$、$In \sim V_{opt}$curve