

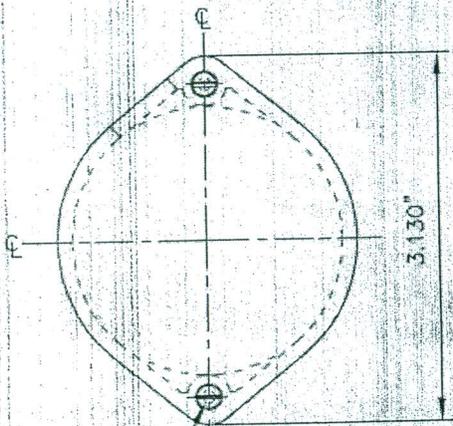
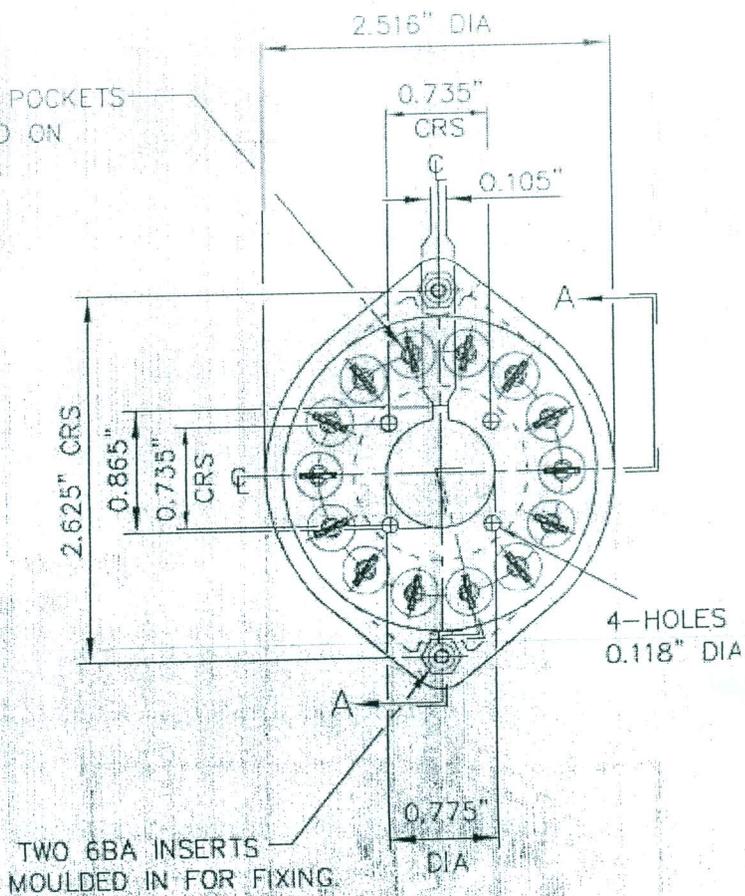
Detailed Specifications –

Scintillation Detector consisting of 51 mm diameter, 51 mm high NaI (TI) Crystal, coupled integrally to a 51 mm diameter Photomultiplier Tube (PMT) with 14 pin connector. Aluminium crystal housing with solid Mu-Metal light shield around PMT. PMT specifications are given below. Energy Resolution < 7.5% FWHM @ 662 keV. 14 pin Plug-on B14A socket for the above (drawing attached).

Specifications of PMT 9266B -

S. No.	Characteristics	Value	
1.	NaI(Tl) detector size	2" x 2"	
2.	Photocathode Active diameter	48 mm	
3.	Photocathode Quantum efficiency	30%	
4.	Photocathode Luminous sensitivity	70 uA/lm	
5.	Nominal anode sensitivity	50 A/lm or better	
6.	Maximum anode sensitivity	500 A/lm or better	
7.	Dark current at nominal anode sensitivity	0.3 nA or less	
8.	Dark current at maximum anode sensitivity	3 nA or less	
9.	Gain	7×10^6 or better	
10.	Aluminium crystal housing	0.5 mm	
11.	solid Mu-Metal light shield around PMT	0.63 mm	
12.	The external dimension of integral assembly of crystal and PMT	Length (max.)	185 mm
		Diameter (max.)	58.8 mm
13.	Temperature range	-20°C to +65°C	

14 CONTACT POCKETS
EQUI-SPACED ON
1.750" P.C.D.



2 MOUNTING HOLES
3.18mm. DIA. (0.125")
TWO 6BA CHEESE HEAD SCREWS
x 19mm. (0.75") LONG.

