

sponsor: Continental Electric Co.

JULY 10, 1947

GAS FILLED PHOTOTUBES**5612; 5613; 5614; 5615; 5616; 5617**ELECTRICAL DATA

Spectral Response S4
 Luminous Sensitivity at 100 volts 0 cycles
 (Light source temperature 2870°K; 1 megohm series
 resistance; one week after seasoning)

Type	5612	5613	5614	5615	5616	5617	
Minimum	90	180	90	180	80	160	μamp/lumen
Bogle	135	240	135	240	110	220	μamp/lumen
Maximum	180	300	180	300	160	280	μamp/lumen

Wavelength of the most useful maximum in the spectral
 distribution curve..... 4,000 ± 500 Å

Sensitivity of Maximum Response

Type	5612	5613	5614	5615	5616	5617	
	0.125	0.220	0.125	0.220	0.10	0.20	μamp/μwatt

Dark Current at 100 volts 0.050 μamp
 Gas Amplification 5.5

MECHANICAL DATAWindow Dimensions

Type	5612	5613	5614	5615	5616	5617
Width	1 1/16"	1 1/16"	1 1/16"	1 1/16"	5/8"	5/8"
Height	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1"	1"
Seated Ht. to Window Centre	2 31/32"	2 31/32"	2 21/32"	2 21/32"	1 3/4"	1 3/4"

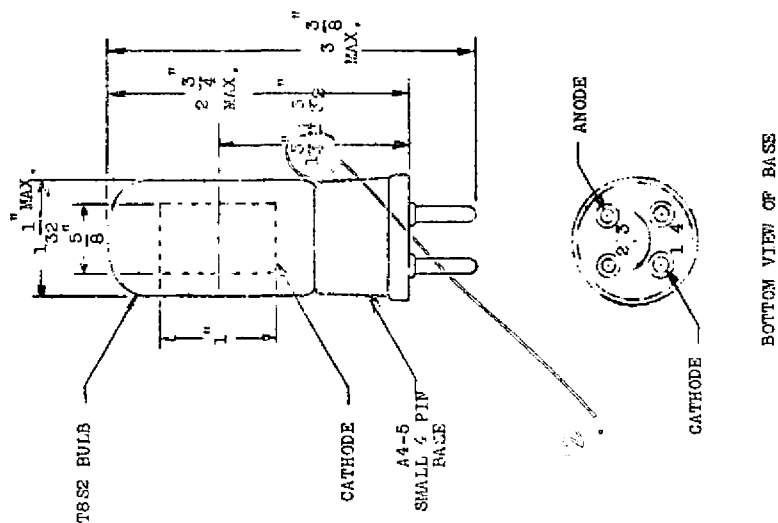
Basing	--	--	2J	2J	2J	2J
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MAXIMUM RATINGS

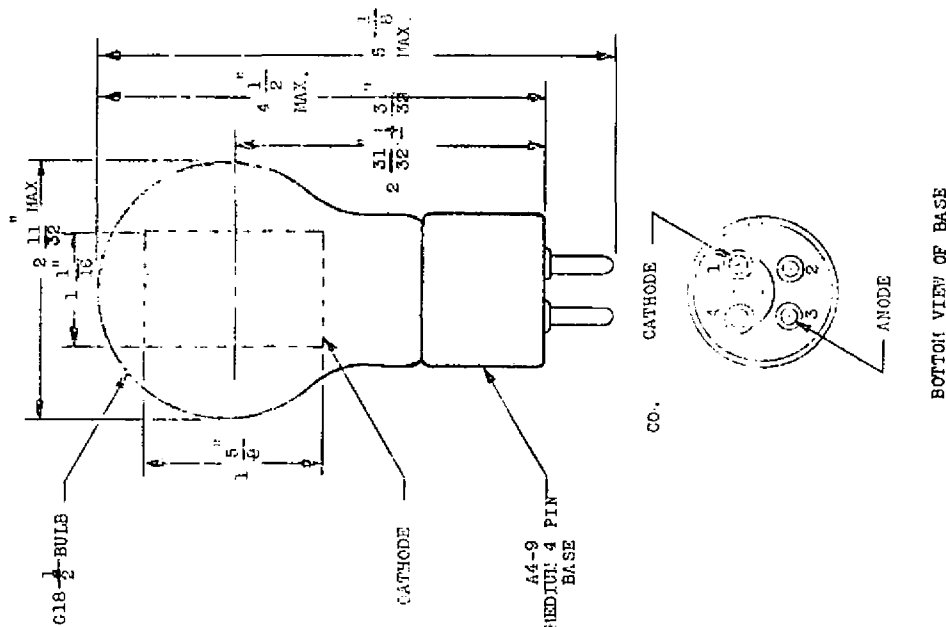
Type	5612	5613	5614	5615	5616	5617	
Anode voltage(dc or peak ac)	110	110	110	110	100	100	volts
Average cathode current	10	10	10	10	4	4	μamp
Peak cathode Current Density	100	100	100	100	100	100	μamp/in ²
Ambient Temperature	75	75	75	75	75	75	°C.

July 10, 1947

TYPES 5616, 5617



TYPES 5614, 5615



TYPES 5612, 5613

