

1B97
1B98
1B99
1B100
1B105

Release No. 776

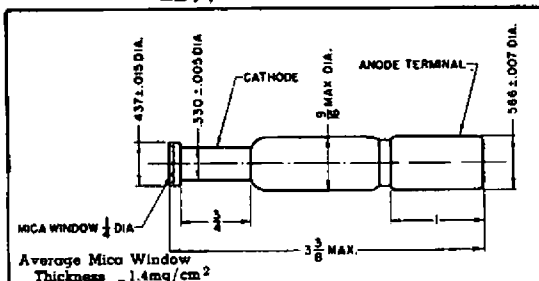
August 18, 1949

COUNTER TUBES

Filling: Neon plus quenching admixture
Operating Temperature Range: -55°C. to +75°C.
Life Expectancy, Counts: Unlimited by use
Guaranteed Counts: 5×10^{10} (minimum)

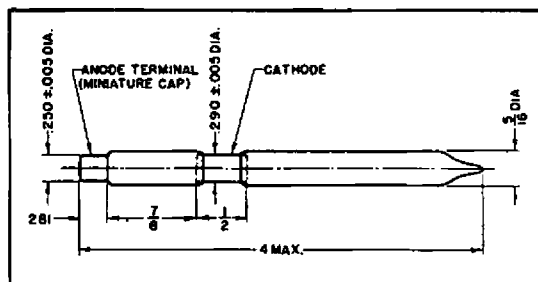
	1B97	1B98	1B99	1B100	1B105
Operating Voltage, de volts	650	700	700	600	700
Plateau, volts (min)	150	150	200	150	200
Slope of plateau, per 100 v. max.	15%	20%	5 to 10%	15%	5 to 10%
Capacitance, μmf	1.0	0.6	1.0	1.5	1.0
Dead time (approx), μsec	40	30	200	50	300
Cosmic Ray Efficiency	--	--	--	80% (min)	--
Background with 2" shielded lead, counts per min. (max)	10	10	50	15	100

1B97



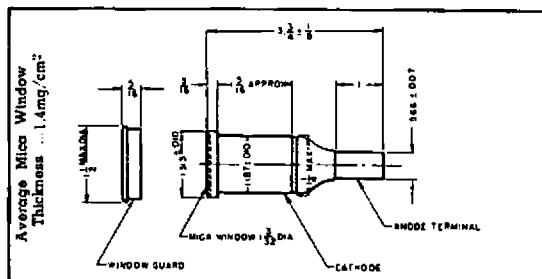
Cathode Material — Stainless Steel
Effective Cathode Dimensions — 1/4" long x .330±.005" O.D. x .040" wall

1B98



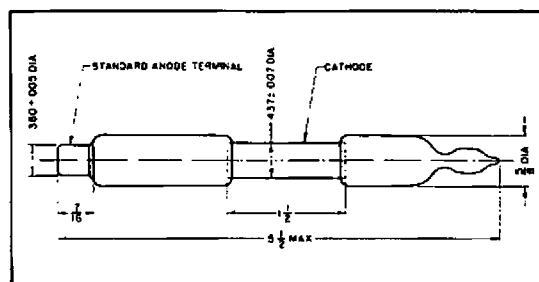
Cathode Material — Stainless Steel
Effective Cathode Dimensions — 1/4" long x .290±.005" O.D. x .020" wall

1B99



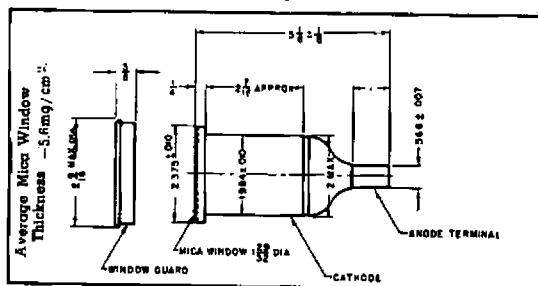
Cathode Material — Stainless Steel
Effective Cathode Dimensions — 1 1/2" long x 1 3/16" O.D. x 3/32" wall

1B100



Cathode Material — Stainless Steel
Effective Cathode Dimensions — 1 1/4" long x .437±.007" O.D. x 1/32" wall

1B105



Cathode Material — Stainless Steel
Effective Cathode Dimensions — 2 11/16" long x 2" O.D. x 5/64" wall