RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

RMA DATA BUREAU
90 West Street
New York 6, N. Y.

sponsor:
Amperex Electronic Corp.

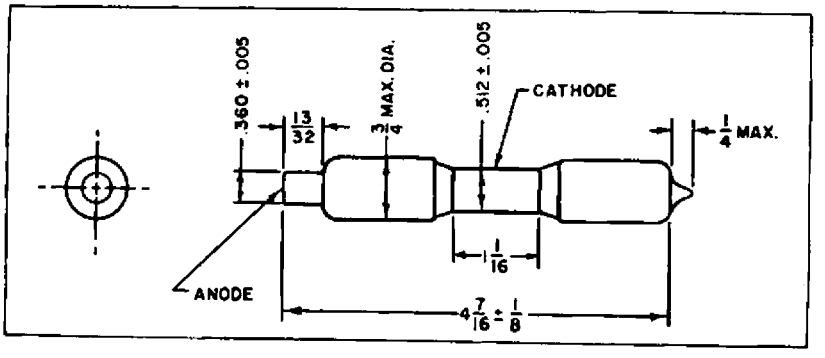
Release No. 657

April 30, 1948

GAMMA COUNTER TUBES

1B69, 1B70

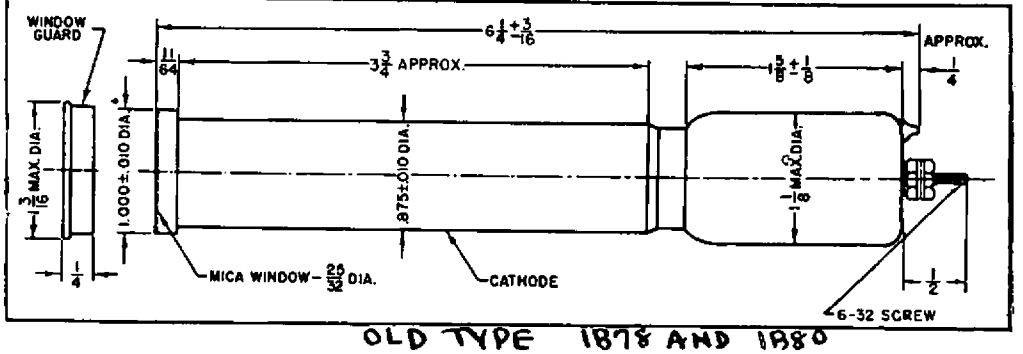
	1B69	1B70
Filling	Argon + quenching vapor	Argon + quenching vapor
Operating Temperature range	−20°C. to + 100°C.	0°C. to + 100°C.
Operating Voltage	1150 volts D.C.	1400 volts D.C.
Plateau	in excess of 300 volts	in excess of 500 volts
Slope of Plateau	2% to 5% per 100 volts	10% per 100 volts
Capacity at terminals	1.5 mmf	1.5 mmf
Cosmic Ray efficiency	greater than 99%	greater than 20%
Dead time	200 microseconds	200 microseconds
Barkground—unshielded	10 counts per minute	2 counts per minute
Life expectancy in counts	greater than 10^{8} counts	greater than 10^{10} counts
Cathode Material	Copper	Copper
Effective Cathode Dimensions	1 1/16" long x 1/2" O.D. x .020" wall	1 1/16" long x 1/2" O.D. x .020" wall



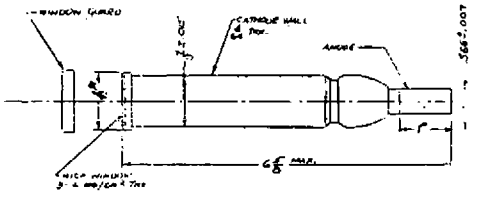
from RMA release # 657A, May 27, 1949

March 26th, 1949

Tube Type	Item	As Registered	As Proposed
1B69	Plateau Slope of Plateau Dead Time	in excess of 300 Volts 2% to 5% per 100 volts 200 microseconds	in excess of 200 volts 5% per 100 volts max. approx. 70 microseconds
1B73	Slope of Plateau Dead Time	2% to 5% per 100 volts 200 microseconds	5% per 100 volts max. approx. 100 microseconds
1B75	Oper. Temp. range Slope of Plateau	- 70°C to + 100°C 2% to 5% per 100 volts	- 55°C to +75°C 10% per 100 volts max.
1B76	Oper. Temp. range Operating Voltage Plateau Slope of Plateau	- 70°C to + 100°C 450 Volts D.C. in excess of 100 volts 5% per 100 Volts	- 55°C to + 75°C 700 Volts D.C. in excess of 200 volts 10% per 100 volts max.
1B77	Oper. Temp. range Slope of Plateau Dead time	- 70°C to + 100°C 2% to 5% per 100 volts 200 microseconds	- 55°C to + 75°C 10% per 100 volts max. approx. 320 microseconds
1B78	Oper. Temp Range Slope of Plateau Dead Time Outline drawing	- 70°C to + 100°C 5% per 100 volts 200 microseconds see attached sheet	- 55°C to + 75°C 10% per 100 volts max. approx 100 microseconds
1B80	Oper. Temp. range Operating voltage Plateau Slope of Plateau Dead time Outline drawing	- 70°C to + 100°C 450 volts D.C. in excess of 100 volts 5% per 100 volts 200 microseconds see attached sheet	- 55°C to + 75°C 700 Volts D.C. in excess of 200 volts 10% per 100 volts max. approx. 180 microseconds
1B81	Oper. Temp. Range Slope of Plateau	- 70°C to + 100°C 2% to 5% per 100 Volts	- 55°C to + 75°C 10% per 100 volts max.



OLD TYPE 1B78 AND 1B80



(NEW)

(1B78, 1B80)