

RADIO MANUFACTURERS ASSOCIATION

ENGINEERING DEPARTMENT

RMA DATA BUREAU
90 WEST STREET
NEW YORK 6, N. Y.

sponsor:
Amperex Electronic Corp.

Release No. 657

GAMMA COUNTER TUBES

April 30, 1948

1B71, 1B72

	<u>1B71</u>	<u>1B72</u>
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.....	2.4 mmf	2.4 mmf
Cosmic Ray Efficiency.....	greater than 99%	greater than 20%
Dead time.....	200 microseconds	200 microseconds
Background—unshielded.....	90 counts per minute	20 counts per minute
Life Expectancy in counts.....	greater than 10^8 counts	greater than 10^{10} counts
Cathode Material.....	Copper	Copper
Effective Cathode Dimensions	3" long x 1" O.D. x 1/16" wall	3" long x 1" O.D. x 1/16" wall

