



# Triode Type ACM 3

VIDEO FREQUENCY MODULATOR AND CATHODE FOLLOWER

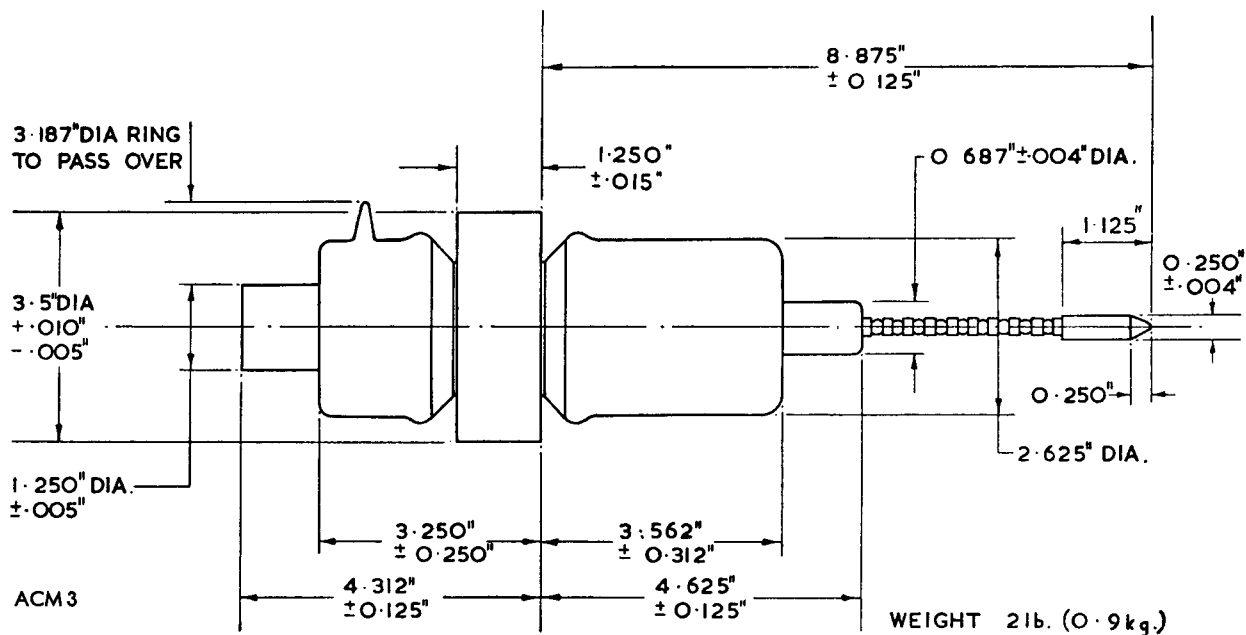
**General.** A forced-air-cooled triode fitted with an indirectly heated oxide coated cathode, designed for use as a video frequency modulator and cathode follower. The ACM 3 is not suitable for positive grid drive.

**Cooling.** The anode requires cooling by air blast. The volume of air necessary is about 60 cu. ft. per minute at a pressure equal to a 1-in. head of water. The grid seal also requires to be cooled by air and the volume of air necessary is about 6 cu. ft. per minute at a pressure equal to a 1-in. head of water. All cooling supplies must be in operation before the application of any supply voltages, and must continue until all voltages have been removed.

**Mounting.** The valve must be mounted vertically with the cathode end uppermost. Rigid connections must be made to the anode only.

## APPROXIMATE DATA

$V_f$	6	V
$I_f$	17	A
$V_a$ (max)	2	kV
$P_a$ (max)	2	kW
$I_k$ (pk) (max)	2	A
$\mu$	14	
$g_m$ (taken at $\frac{1}{2} I_k$ (pk))	27	mA/V
$C_{a-g_1}$	15	pF
$C_{a-k}$	5	pF
$C_{g_1-k}$	20	pF



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