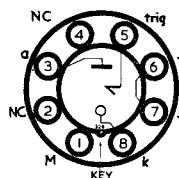


TYPE G240/2D
COLD-CATHODE
GAS-FILLED
TRIODE



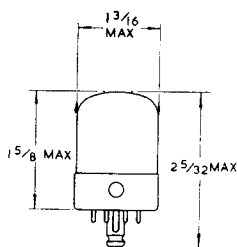
The G240/2D is a cold-cathode, three electrode, gas-filled triode. It has been developed for use in applications where a higher power is needed in the anode circuit than is obtainable with the G150/2D type. It is characterised by its long life cathode and non-interchangeability of trigger and cathode electrodes.

CHARACTERISTICS

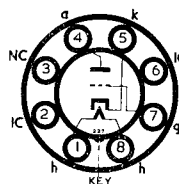
Nominal control gap breakdown voltage	...	...	...	75	V
Maximum control gap breakdown voltage	...	...	...	90	V
Nominal control gap maintaining voltage	} At 20 mA Cathode Current	...	...	65	V
Maximum control gap maintaining voltage		...	...	75	V
Minimum main gap breakdown voltage	...	...	...	230	V
Nominal main gap maintaining voltage	} At 20 mA Cathode Current	...	...	90	V
Maximum main gap maintaining voltage		...	...	110	V
Maximum transfer current at R_t 10 M Ω and V_a 200 V	...	...	...	15	μ A
Optimum operating current	...	...	...	20	mA
Nominal main gap deionisation time	...	...	...	8	msec

MAXIMUM RATINGS

Maximum peak cathode current	...	...	...	50	mA
Maximum direct cathode current	...	...	...	30	mA



TYPE 3A/167M
COAXIAL
REPEATER
TRIODE



The 3A/167M is an indirectly heated triode of very high mutual conductance which has been developed for use in the output stages of wide band amplifiers, and for cascode low-noise amplifiers. It is electrically equivalent to the U.S.A. type 437A.

CATHODE

Indirectly heated, oxide-coated.

Heater voltage	...	...	...	...	6.3	V
Heater current	...	...	...	...	0.45	A

Continued overleaf

CHARACTERISTICS

Mutual conductance	} measured at { $V_a = 150 \text{ V}$ $I_a = 40 \text{ mA}$	...	...	...	47	mA/V
Impedance		...	...	...	1,000	Ω

DIRECT INTERELECTRODE CAPACITANCES

Grid to cathode	...	...	...	...	...	11	pF
Anode to cathode	...	...	...	...	...	2.5	pF
Anode to grid	...	...	...	...	...	4	pF

MAXIMUM RATINGS

Maximum direct anode voltage	...	...	...	...	350	V
Maximum direct anode current	...	...	...	...	45	mA
Maximum direct anode dissipation	...	...	...	...	7	W

