

BURLE Type 4694

The BURLE 4694 is a beam power tetrode designed especially for use as a long pulse modulator and as a pulsed power amplifier for UHF applications. This sturdy, compact, forced-air-cooled tetrode is excellent for use in aircraft, mobile, or fixed-station equipments.

It is well suited for use in long range search radar, pulsed transmission in communication service, or other service requiring pulses of long duration.

The smooth tungsten-matrix cathode has excellent arc-resistant characteristics. An integral, louvered-fin radiator facilitates efficient forced-air-cooling.

General Data

Electrical

Heater:

Voltage	6.75	V
Current	9.2	A

Mu-Factor (G1 to G2) 13

Capacitance:

G1-K	28	pF
G2-P	5.5	pF

Mechanical

Cooling	Forced Air
Max. Length	69.1 mm (2.72 in)
Max. Diameter	95.5 mm (3.76 in)
Weight	453.6 g (1 lb)
Operating Position	Any

Maximum Ratings

Anode Dissipation	600	W
Grid-2 Dissipation	25	W

Series Regulator - Pulsed Service

Anode Voltage	7	kV
Grid-2 Voltage	0.6	kV
Anode Current	8	A

