

NEW NATIONAL UNION ELECTRON TUBE DATA

N.U. 4C27

V.H.F. COAXIAL TRIODE

The National Union 4C27 is a coaxial triode designed particularly for use as a pulsed V.H.F. oscillator in the 200 mc. to 600 mc. range. Conservatively rated, one tube will deliver 50 kw peak power as a pulsed r.f. oscillator.

MAXIMUM RATINGS:-

Heater Voltage	6.0 $\pm$ 5%	Volts
Grid Voltage	-1000	Volts
Anode Voltage (Instantaneous)	8000	Volts
Anode Dissipation	150	Watts

ELECTRICAL RATINGS:

Cathode: Oxide coated unipotential		
Voltage	6.0 $\pm$ 5%	
Current	6.5	Amperes
Amplification Factor	23	

DIRECT INTERELECTRODE CAPACITANCES:

Grid to Plate	8	uuf.
Grid to Cathode	11	uuf.
Plate to Cathode	2.25	uuf.

MECHANICAL DATA:- (See Reverse)

MAXIMUM OVERALL DIMENSIONS

Length (less heater leads)	3	29/32 inches max.
Length (including heater leads)	5	7/8 inches max.
Width	2	1/4 inches
Radiator Diameter		
Radiator - Integral - See outline drawing		
Type of Cooling	Air Blast	
	Anode cooling fins	6 cfm
	Grid seal and lead	1 cfm

TYPICAL OPERATING CONDITIONS:

CLASS C OSCILLATOR, PLATE PULSED

Frequency	215 megacycles
Anode Voltage (Instantaneous)	8000 Volts
Repetition Rate	400 pulses per second
Pulse Width	2 microseconds
Power Output	50 kw

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See Over

