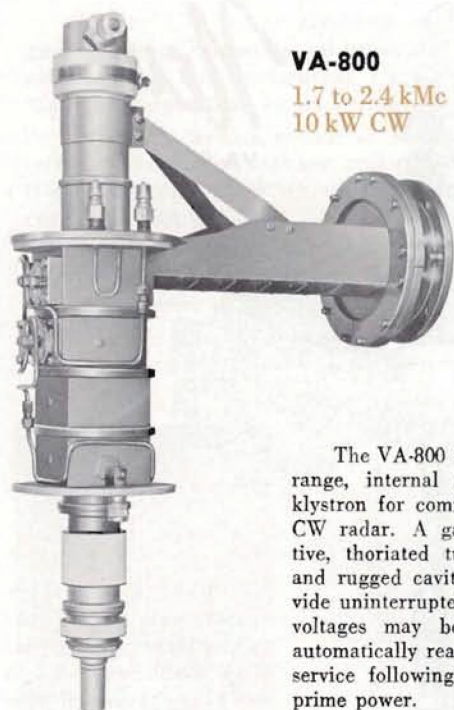




C W P O W E R

S-BAND CW AMPLIFIER



VA-800
1.7 to 2.4 kMc
10 kW CW

The VA-800 is a wide-tuning-range, internal cavity amplifier klystron for communications and CW radar. A gas-free conservative, thoriated tungsten cathode and rugged cavity structure provide uninterrupted long life. Full voltages may be instantly and automatically reapplied to restore service following interruption of prime power.

CHARACTERISTICS:

Frequency, Tunable	1.7-2.4 kMc
Power Output	10 kW
Gain (stagger tuned)	40 db
Bandwidth (stagger tuned)	8 Mc
Beam Voltage	16 kVdc
Beam Current	2 Adc
Dimensions	7 1/2 x 18 x 27 in
Weight	50 lb
Cooling	Liquid and Forced Air
Focusing	VA-1520 Electromagnet



VA-1520 ELECTROMAGNET

Focusing Electromagnet for VA-800

Power Requirement	1250 W
Dimensions	11 1/2 x 15 1/8 x 15 1/2 in
Weight	225 lb
Cooling	Liquid

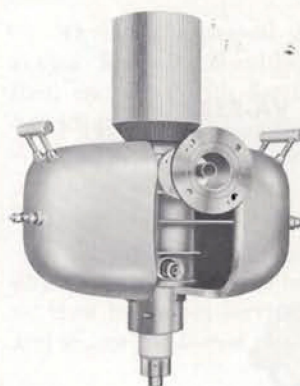


VA-1502 ELECTROMAGNET

Focusing Electromagnet for VA-800C

Power Requirement	1300 W
Dimensions	15 x 15 x 15 in
Weight	125 lb
Cooling	Liquid

S-BAND CW AMPLIFIER



VA-802B
1.7 to 2.4 kMc
1 kW CW

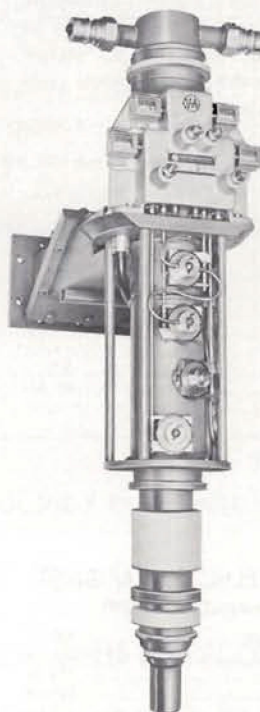
The VA-802B is an air-cooled amplifier klystron with permanent magnet focusing for transportable communications and CW radar. Rugged structures and elimination of all adjustments except tuning provide a reliable amplifier with great simplicity of

operation. A conservative hard metal cathode provides long life, and noncritical tube design allows instant fault recycling after power source interruptions.

CHARACTERISTICS:

Frequency, Tunable	1.7-2.4 kMc
Power Output	1 kW
Gain (tuned for high efficiency)	40 db
Bandwidth (tuned for high efficiency)	6 Mc
Beam Voltage	6 kVdc
Beam Current	0.5 Adc
Dimensions	14 1/4 x 15 x 18 1/4 in
Weight	85 lb
Cooling	Forced Air
Focusing	Permanent Magnet

S-BAND CW AMPLIFIER



VA-800C
2.16 to 2.40 kMc
10 kW CW

Predecessor to the wide tuning range VA-800, the VA-800C is a rugged amplifier klystron used in forward scatter communications, CW radar, and industrial heating. Continuous tuning with indicating counters is provided over a 240-Mc range. Conservatively rated thoriated tungsten cathode and tungsten filament provide long, trouble-free tube life. Automatic immediate restoration of service following a power line interruption is permitted.

CHARACTERISTICS:

Frequency, Tunable	2.16-2.40 kMc
Power Output	11 kW
Gain (stagger tuned)	40 db
Bandwidth (stagger tuned)	8 Mc
Beam Voltage	15 kVdc
Beam Current	1.85 Adc
Dimensions	7 x 14 1/2 x 26 in
Weight	38 lb
Cooling	Liquid and Forced Air
Focusing	VA-1502 Electromagnet

The Above Products Are Manufactured by Varian Associates Palo Alto, California