



EITEL-McCULLOUGH, INC.
S A N B R U N O · C A L I F O R N I A

TYPE VT-127A

TRIODE VHF PULSE OSCILLATOR

GENERAL CHARACTERISTICS

ELECTRICAL

Filament:	Thoriated Tungsten		
	Voltage	5.0	Volts
	Current	10.4	Amperes
Minimum Filament Emission ($e_b=e_c=2500v$)			
		3.5	Amperes
Amplification Factor (average)			
		15.5	
Direct Interelectrode Capacitances (average)			
	Grid-Plate	2.3	uufd.
	Grid-Filament	2.7	uufd.
	Plate-Filament	0.35	uufd.

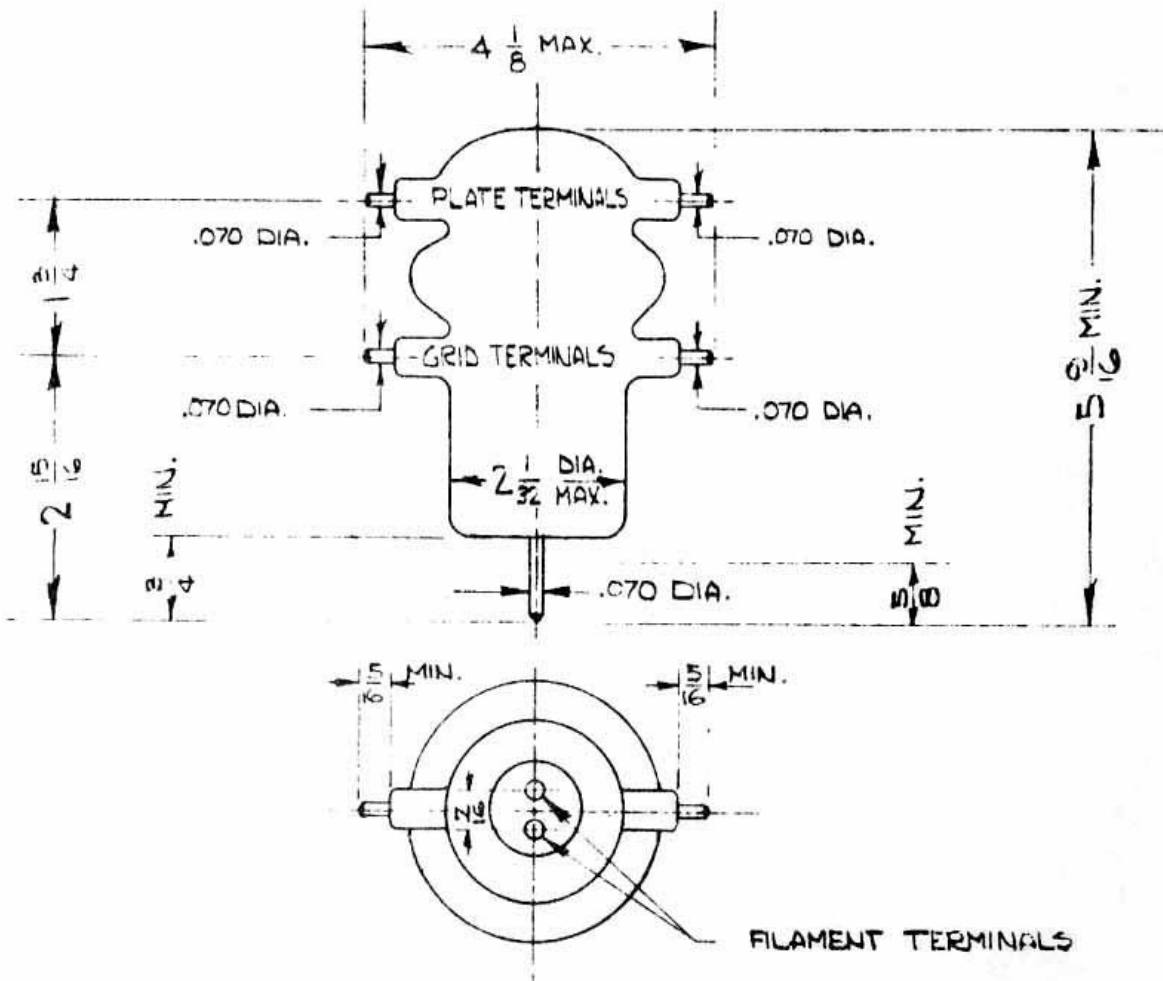
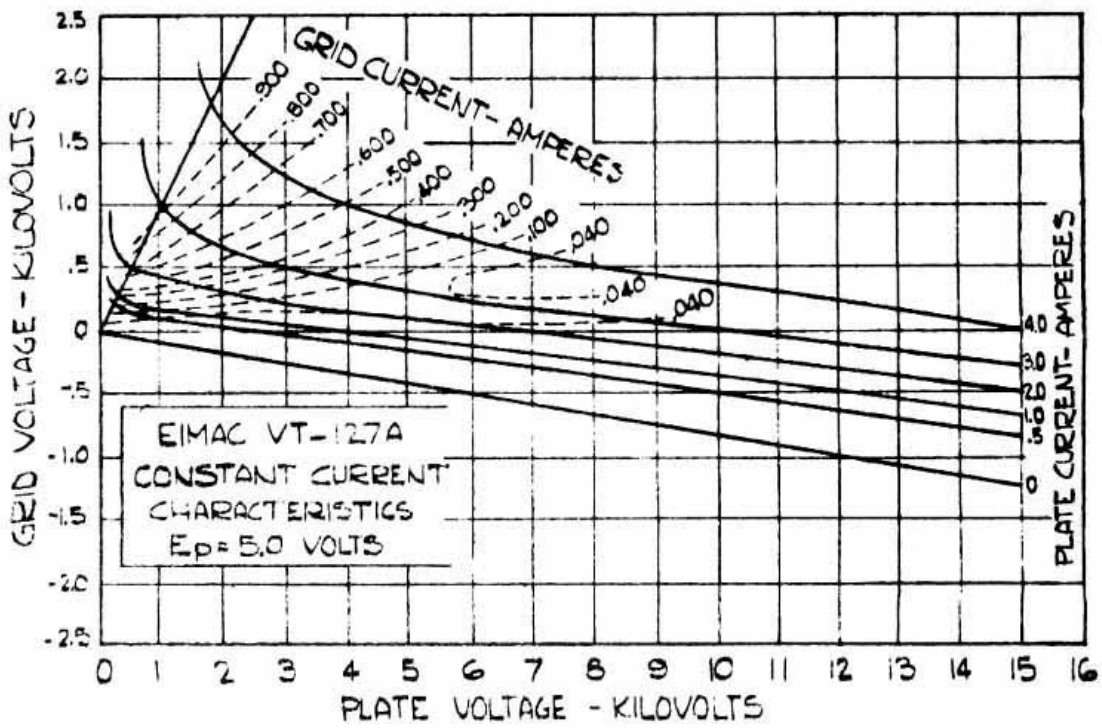
MECHANICAL

Maximum Overall Dimensions			
	Length	5.56	in.
	Diameter	4.13	in.
Net Weight			
		3	oz.
Shipping Weight			
		1.5	lb.

PULSE OSCILLATOR OPERATION

Plate-Circuit Keying

	Typical Operation F=200 Mc.	Maximum Rating F=300 Mc.	
Pulse Plate Voltage	16,000	16,000	Volts
D-C Plate Current	9.4		Ma.
D-C Grid Current	2.3		Ma.
Grid-Leak Resistance	5,000		Ohms
Duty Cycle	0.50		Per Cent
Pulse Power Output	10,000		Watts
Plate Dissipation	100	100	Watts



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SAN BRUNO, CALIFORNIA

NOTE: The 100TL maximum ratings and typical operating values may be used for the VTL27A in continuous service.

Connections to the VTL27A may be made with holes drilled in metal blocks and set screws to secure the blocks to the tungsten leads. The Eimac HR-3 heat dissipating connector is recommended for the grid and plate terminals.