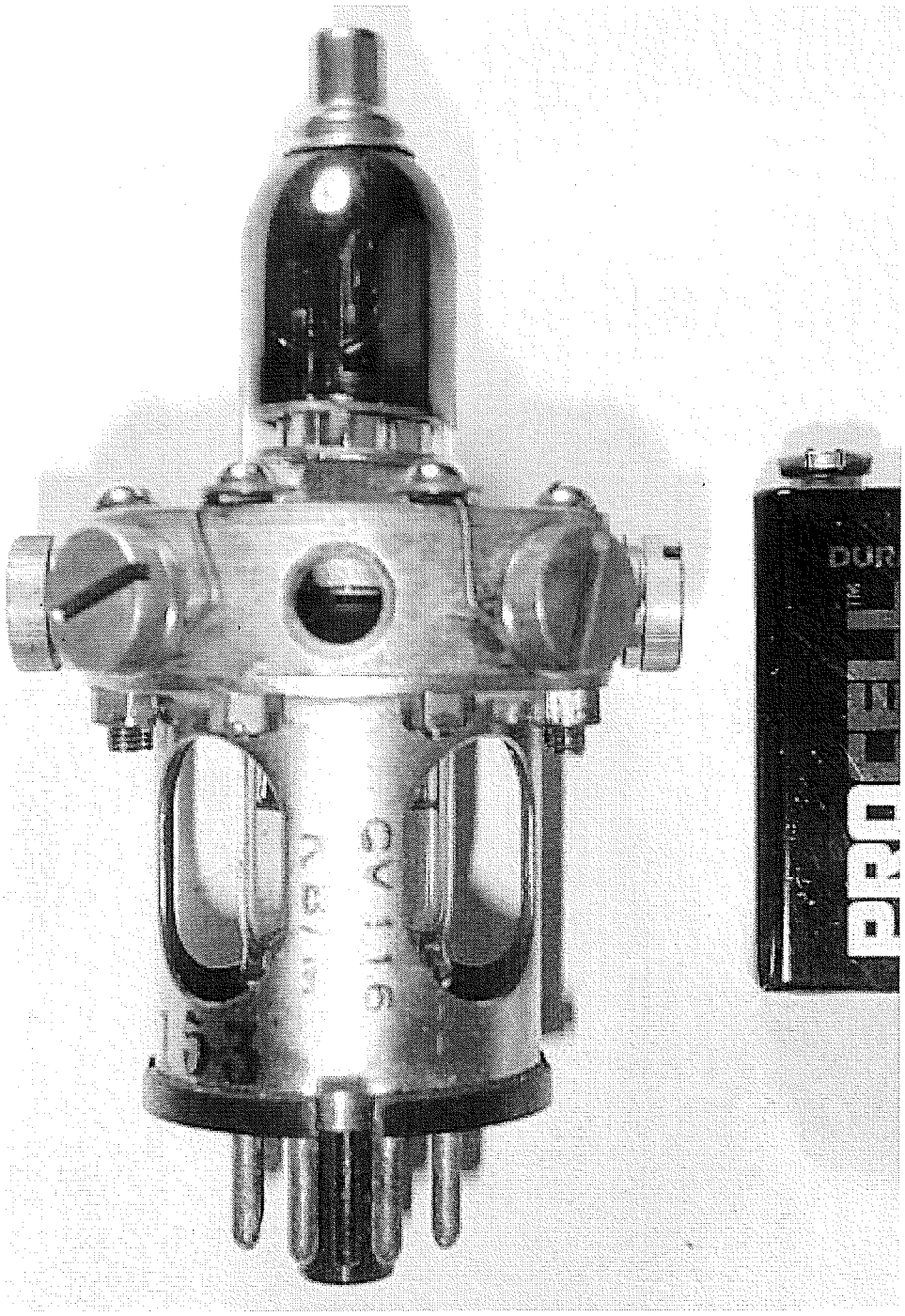
CV116 reflex klystron - a frequency variant of CV238

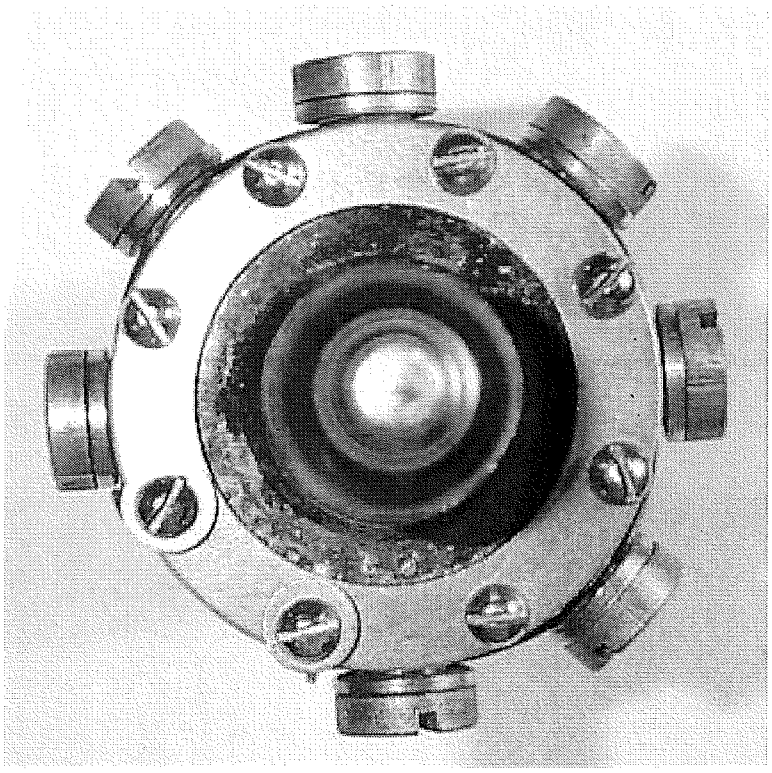
These were developed to replace the CV35/36/67 series of valves which, at 1200 to 1500V were inconvenient for high-altitude use.

Heater voltage	4V
Heater current	1.3A
Tuning range	3365 to 3554MHz
Min power output	100mW
Max resonator dissipation	8W
Resonator voltage	250V
Reflector voltage range	-100 to -175V
Grid voltage	0 to 175V
Min AFC range	20MHz
Mean reflector voltage change for above frequency change	35V
Max permissible series resistanc in reflector circuit	25k ohms



Max resonator temperature	140C

1	Grid
2	Heater
3	n/c
4	n/c
5	n/c
6	n/c
7	Heater
8	Cathode
TC	Reflector



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