

**WVS-TECHNOLOGY**

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UHF Tetrode

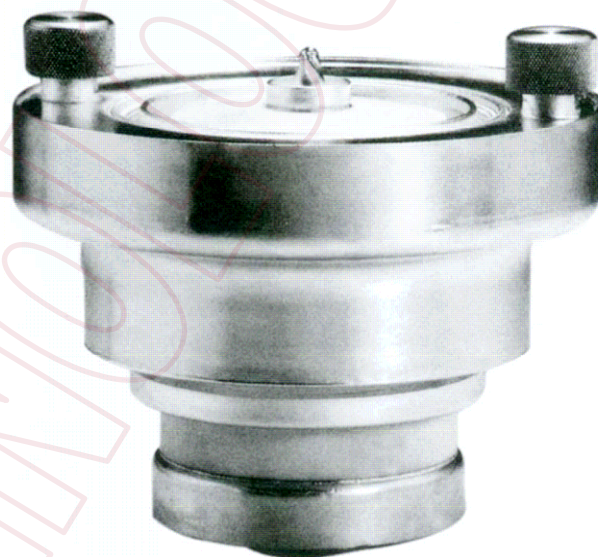
RS1034SK**PEAK-OF-SYNC OUTPUT POWER IN COMBINED AMPLIFICATION:****12.6KW****PEAK-OF-SYNC OUTPUT POWER IN VISION CARRIER AMPLIFICATION :****24KW**

GENERAL CHARACTERISTICS

Cathode	Thoriated tungsten
Heating	Direct
Filament voltage	4.5 V
Filament current	205 A
Interelectrode capacitances, approx:	
Cathode-control grid	95pF
Cathode-control-grid	184p F
Control-grid-anode	0.55pF
Screen-grid-anode	23pF
Transconductance (Ia=2-4A, Ua=2kV, Ug2=800V)	100mA/V
Internal amplification factor, average	7.5
Operating position	Vertical, anode up or down
Weight, approx.	7kg
Dimensions	See page 95
Anode cooling ⁽¹⁾	Vapour cooled
Water flow, min.	12.5L/min
Corresponding pressure drop.	1.5×104Pa
Temperature at air water outlet, max.	90°C
Cooling at the sealing between electrode germinal and ceramic	Forced air
Temperature on the surface of the tube, max.	220°C
(1) Values for cooling for max. anode dissipation	

MAXIMUM RATINGS

Frequency	960MHz
Anode voltage	7.5kV
Anode current	6.0A
Control-grid dissipation	-200kW
Screen-grid dissipation	1KV
Anode dissipation	25kW
Control-grid dissipation	80W
Screen-grid dissipation	180W



TYPICAL OPERATION

		Combined Service	Vision only
Frequency	[MHz]	470- 800	470- 800
Peak-of-sync output power	[kW]	12.6	24
Bandwidth (-1dB)	[MHz]	8	6
Intermodulation distortion	[dB]	≤-50	-
Gain	[dB]	15.5	15.5
Anode voltage	[KV]	6.3	6.6
Control-grid bias voltage	[V]	-112	-110
Screen-grid voltage	[V]	800	800
Anode current (black level)	[A]	3.9	5.3
Anode current (at zero signal)	[A]	1.8	2.2
Screen-grid current, black level	[mA]	90	140

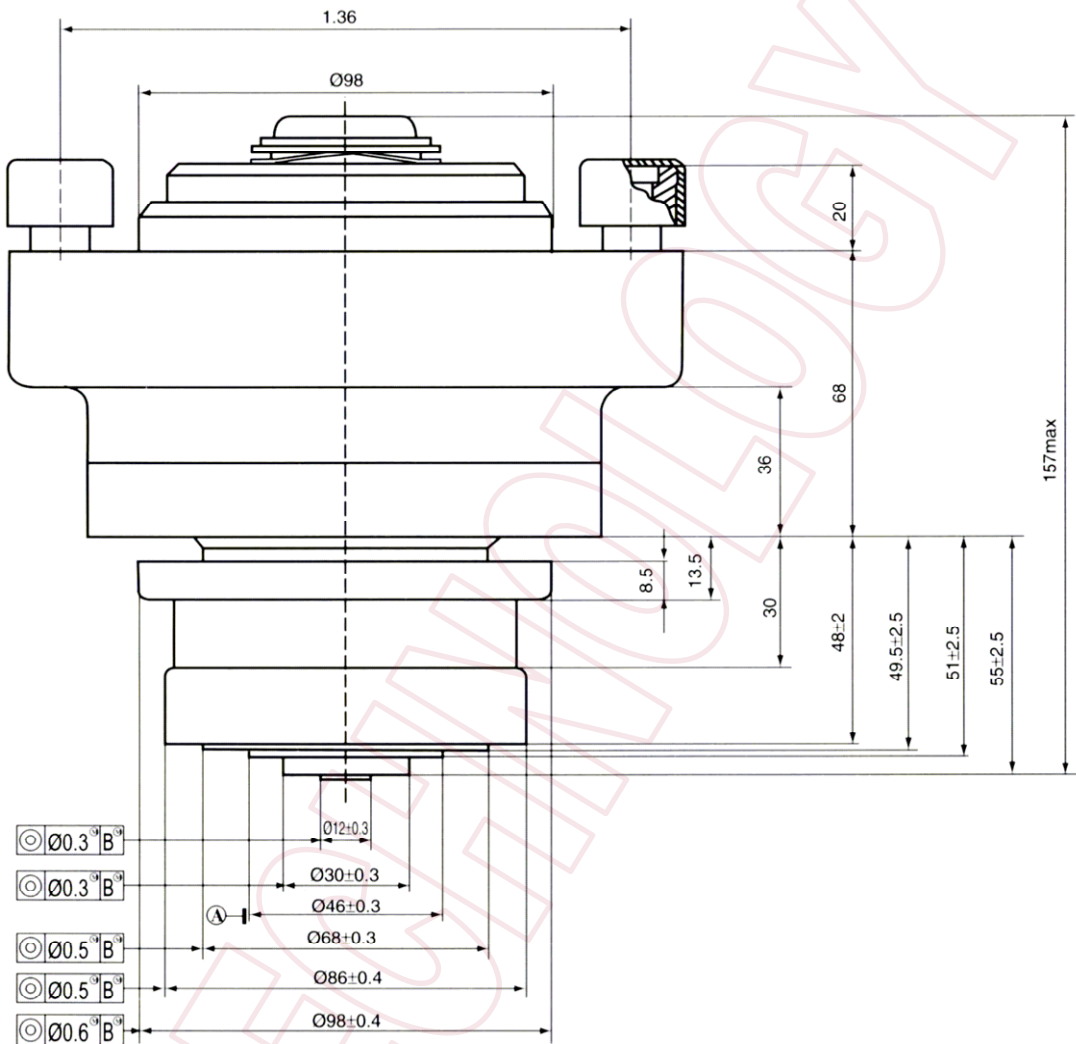


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