

Communications & Power Industries Klystron



The VKX-8253A is an electromagnet focused, 9.3 GHz klystron which has demonstrated peak power of 5.5 MW with 18 kW average, at an RF pulse width of 2.5 μ s. The klystron achieved power of 6 MW peak at 6 kW average. The unit was designed to achieve 20 kW average power at 5 MW peak.

Typical Operating Parameters

Frequency	9.3 GHz
Beam voltage	132 V
Beam current	95 A
Bandwidth, 1dB	± 10 MHz
Peak power	5.0 MW
Average power	20 kW
Saturated gain	51 dB
Efficiency	44.3%
Pulsewidth	2.5 μ s
Duty	0.4%

FEATURES:

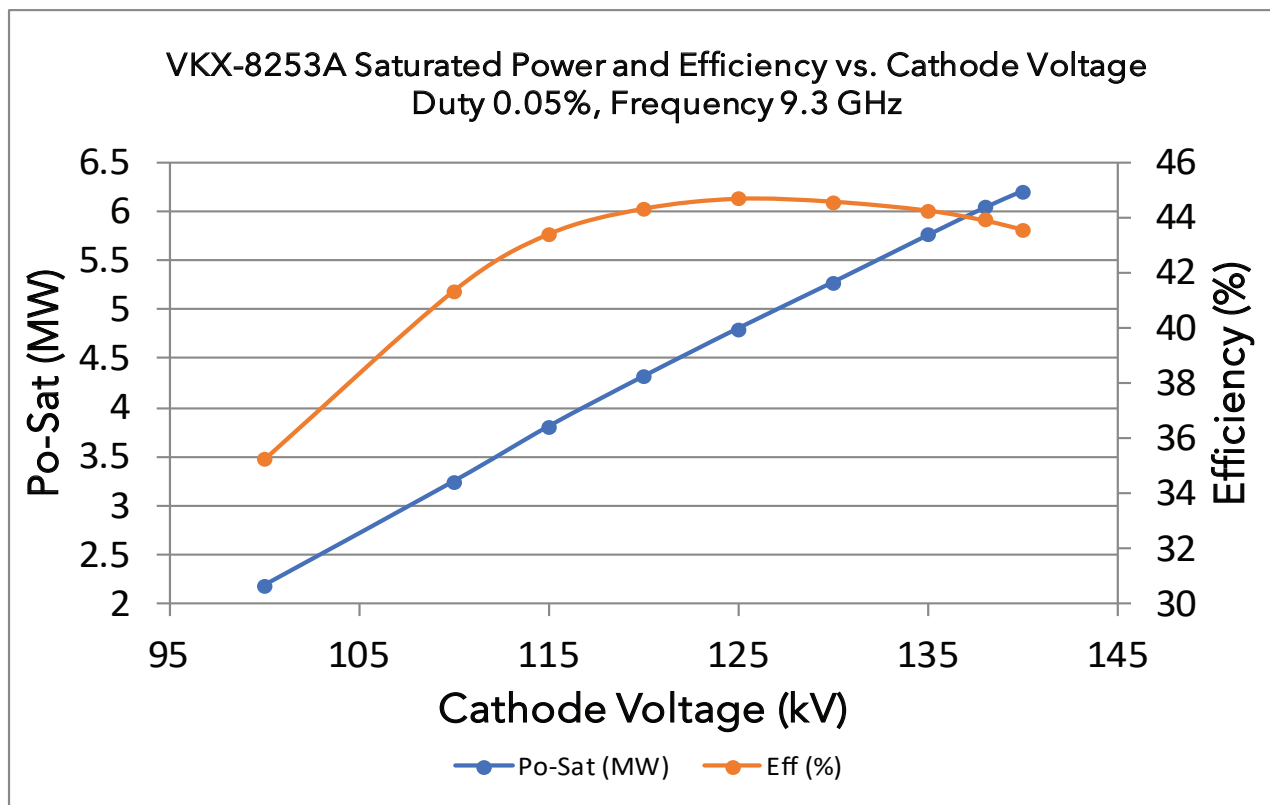
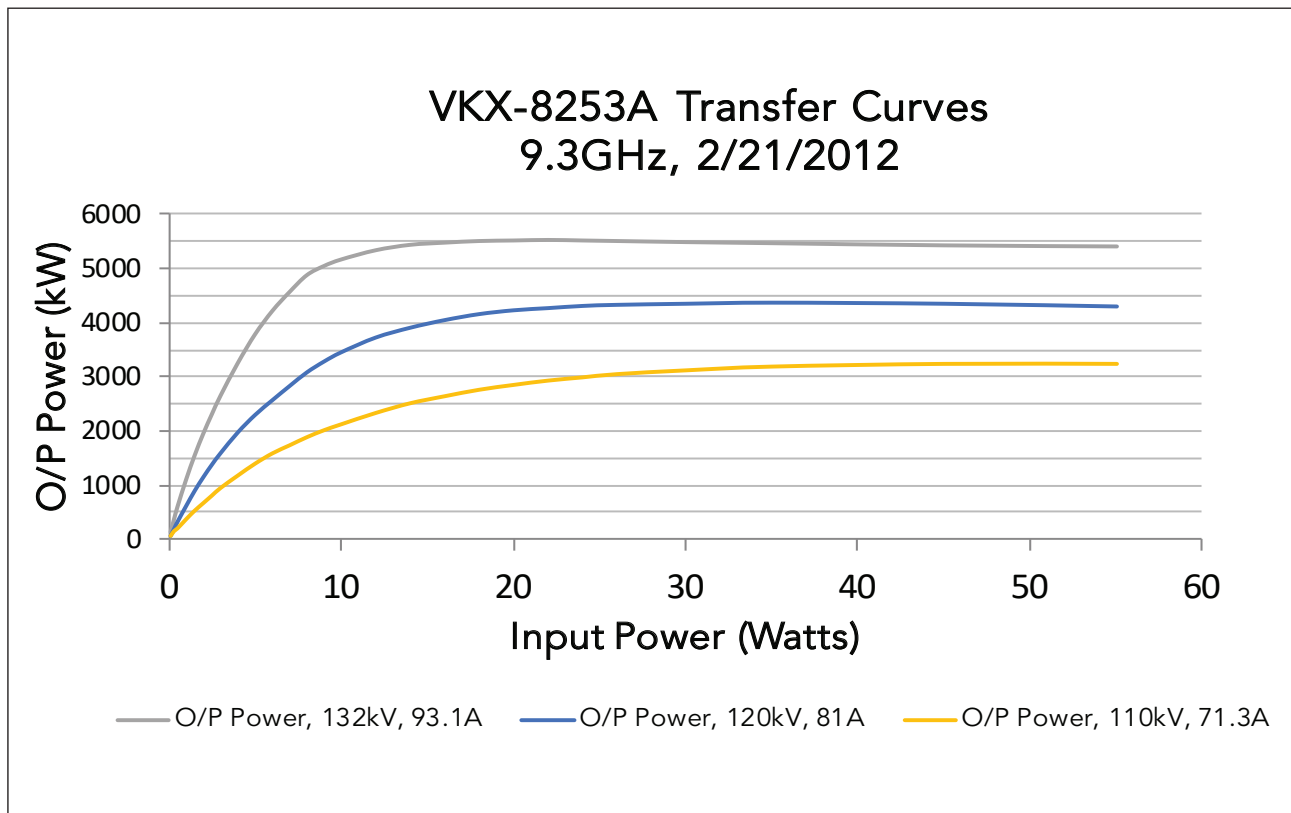
- Proven medical, scientific, and industrial klystron derivation
- Low cost, high volume Manufacturing Design
- Proven S-band gun design
- Typical life exceeds 80,000 hours
- Possible to scale to 12 GHz version

BENEFITS:

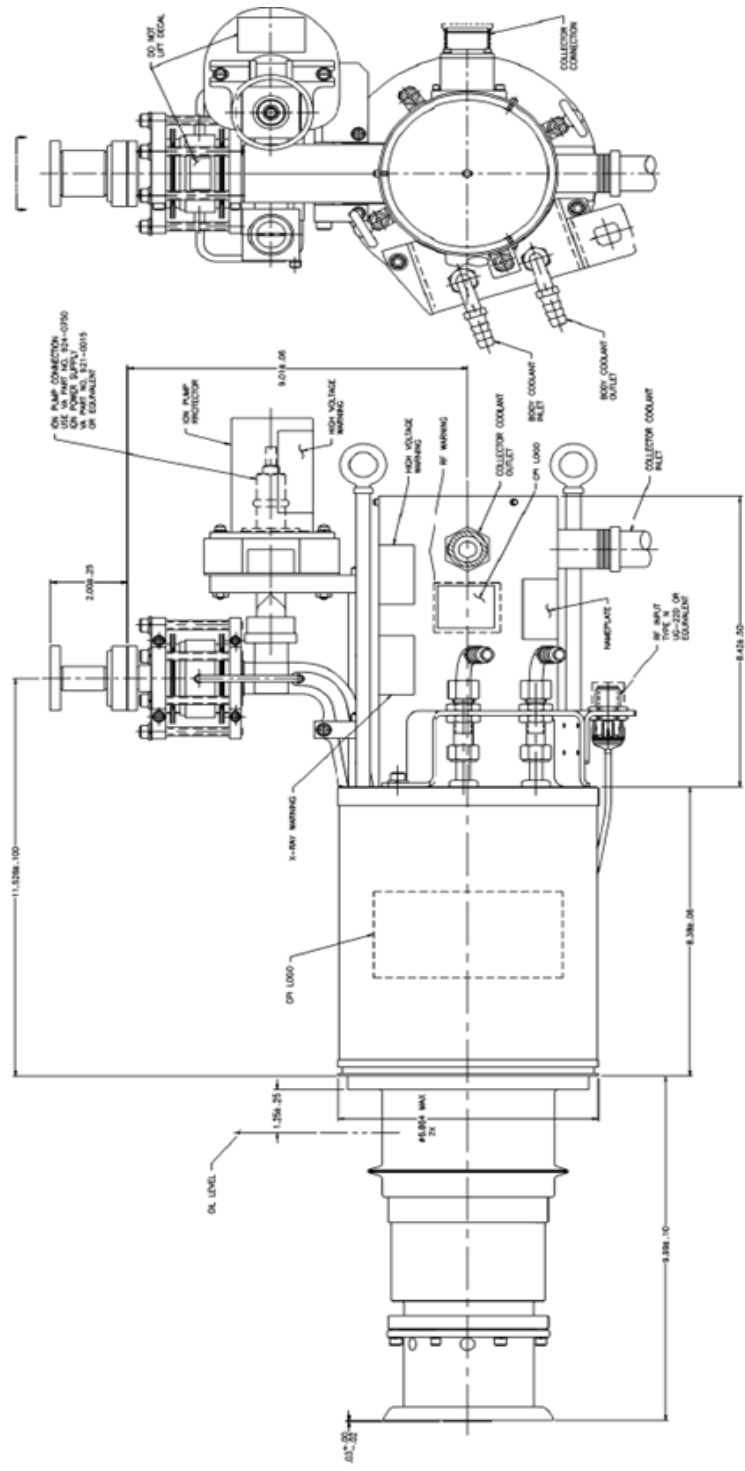
- High reliability & efficiency
- Proven long life designs
- Customizable models for your application

APPLICATIONS:

- Industrial
- Medical



CPI X-Band Pulsed Klystron : VKX-8253A



With a history of producing high quality products, we can help you with your klystron.

Contact us at MPPMarketing@cpii.com or call us at +1 650-846-2800. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



**Microwave Power
Products Division**
811 Hansen Way
Palo Alto, California
USA 94304

tel +1 650-846-2800
fax +1 650-856-0705
email MPPMarketing@cpii.com
web www.cpii.com/MPP

For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.
©2020 Communications & Power Industries LLC. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.