



communications & medical products division  
microwave operation

# HIGH POWER MMW AMPLIFIER KLYSTRON

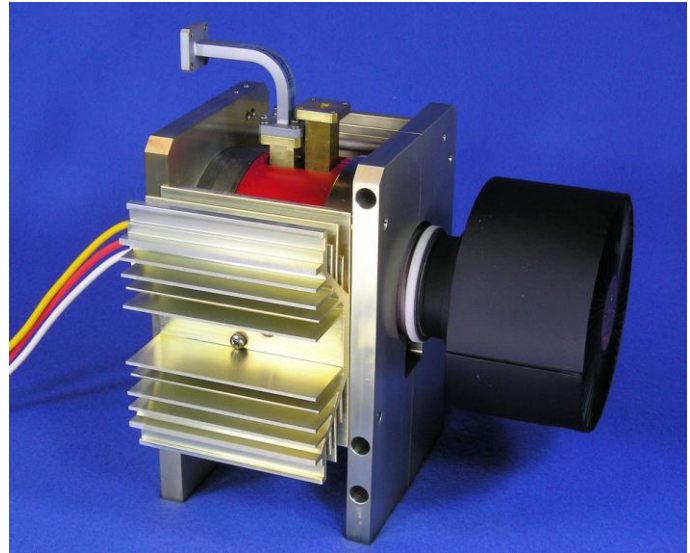
## 34 - 36 GHz

### MODEL SERIES VKQ 2470T4

#### DESCRIPTION

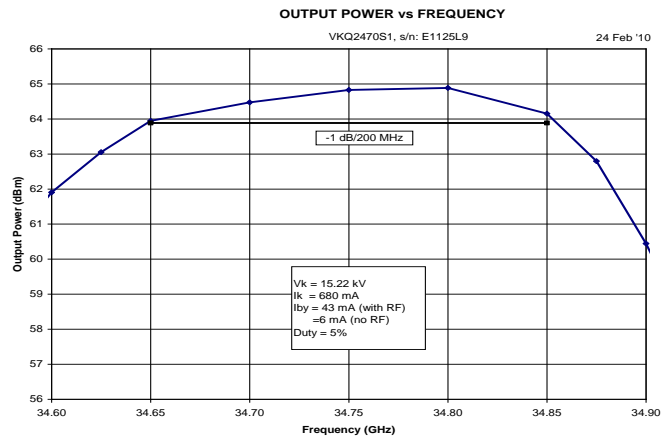
This Ka-Band EIK was developed for ground based radar applications. The EIK produces 3.0 kW peak output power with 200 MHz - 1dB bandwidth. A typical band-pass plot is displayed below.

The center frequency may be selected anywhere between 34 GHz to 36 GHz. Overall dimensions including heat sink and support stand 245 x 232 x 208 mm. with a weight of 8kgs. The EIK is forced air cooled and designed for an operating life exceeding 35,000 hours.



#### TYPICAL OPERATING CHARACTERISTICS

|                   |       |     |
|-------------------|-------|-----|
| Center Frequency  | 34.75 | GHz |
| Peak Output Power | 3.0   | kW  |
| Beam Voltage      | 15.5  | kV  |
| Beam Current      | 680   | mA  |
| Body Current      | 45    | mA  |
| Switching Voltage | 3.0   | kV  |
| Duty Cycle        | 10    | %   |



#### NOTES:

1. Characteristic values are based on performance tests. These values may change without notice.
2. Please consult your local CPI sales office or CPI Canada for more information.

For further information please contact CPI Canada, a field office or local representative they may be found on our web site at:

[www.cpii.com](http://www.cpii.com).

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