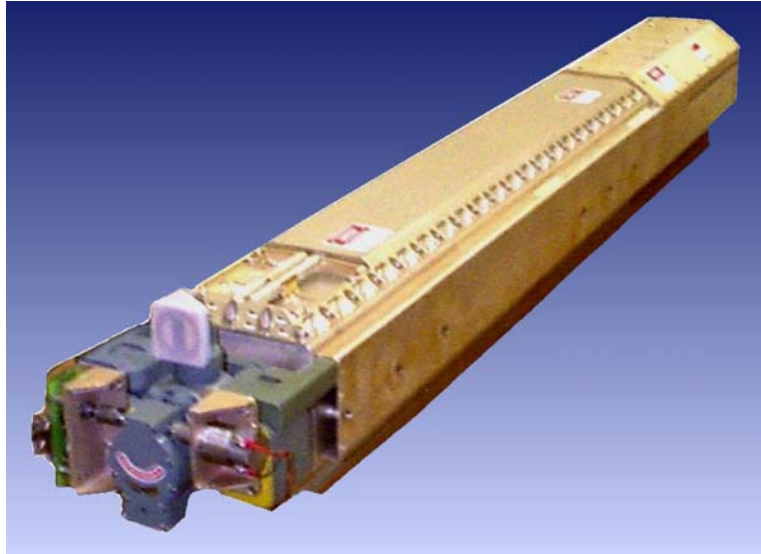


VPW 3490 Magnetron Transmitter



Description:

The VPW 3490 is a highly reliable pulsed microwave transmitter that is suitable for the high vibration, shock and wide temperature variation environments that are typically encountered in supersonic aircraft pod mounted threat simulation equipment. This transmitter is able to operate five separate magnetrons (one at a time). Magnetron output frequency and RF pulsewidth are controlled via digital inputs. The pulsewidth, PRF, and RF frequency may be changed “on the fly” from a location remote to the transmitter. The transmitter is sized to fit the confines of a standard airborne pod.

Features:

- Peak RF power output: 100 kW
- Frequency:
 - Band 1 ----- 7.8 - 8.5 GHz
 - Band 2 ----- 8.5 - 9.6 GHz
 - Band 3 ----- 12.0 - 13.2 GHz
 - Band 4 ----- 14.0 - 15.2 GHz
 - Band 5 ----- 15.5 - 17.5 GHz
 - Command word --- 11 Bits
- Pulsewidth:
 - Range ----- 0.1 to 2.0 μ Sec
 - Command word ----- 8 Bits
- PRF (maximum): 6 kHz
- Duty cycle (maximum): 0.00125
- Prime power input: 115/200 Volt, 3-phase, 400 Hz, 7A per phase.
- Weight: 120 lbs

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