

**AVIONICS BROADBAND PULSED AMPLIFIERS**

A new proprietary technique allows MPD to greatly broaden the passband characteristic of triode cavity amplifiers without hampering output power. This makes for unsurpassed power density (output power versus physical volume) and low cost of triode amplifiers available for spread spectrum, frequency hopping and electronically tuned transmitter applications.

**Applications:**

- Missile datalink transmitter
- Frequency tunable proximity fuzes
- Spread spectrum transmitters
- Expendable decoys

Model	Freq. (GHz)	Output Power (W)	Duty* Factor	Instantaneous Bandwidth (MHz)	Plate Voltage (V)	Filament Voltage (V)	Plate Current (mA)	Features
SWB-1	2.0 to 4.0	600	to 0.01	100	1,000	6.3	10	4-stage 25 dB gain
SWB-2	2.0 to 4.0	300	to 0.01	150	1,000	6.3	10	4-stage 22 dB gain
SWB-3	2.0 to 4.0	150	to 0.01	250	1,000	6.3	10	4-stage 19 dB gain

\* Pulse width 1.0  $\mu$ second (typical).

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