

AVIONICS CAVITIES

The products listed make use of MPD's own planar triode as the active device and are usually designed for high power and optimal life. Custom designed versions available upon request. Features include:

- Output power per unit volume much higher than possible with solid state active devices
- Radiation/Electromagnetic Pulse (EMP) immune
- Low Cost
- Rugged

Applications:

- Aircraft and missile transponders
- Radar altimeter transmitters and oscillators
- Local oscillators

Model	Freq. (GHz)	Output Power (W)	Duty Factor (%)	Mech. Tuning Range (MHz)	Filament Voltage (V)	Plate Voltage (V)	Plate Current (mA)	Features
C20521	1.03	-	CW	-	6.3	110	30	3-stage pre-selector amplifier, gain 43dB, instant BW 7 MHz
C2172	1.03	50	1.0	-	6.3	1,000	500	2-stage cathode pulsed amplifier, gain 45 dB
C2030	1.03	300	1.0	-	6.3	1,000	1,400	4-stage cathode pulsed amplifier, gain 48 dB
C2054	1.03	300	1.0	-	6.3	1,000	1,400	4-stage cathode pulsed amplifier, gain 48 dB
C2080C	1.09	125	1.0	-	6.3	1,000	6.5	Cathode pulsed transmitter for transponder
C2080A	1.09	250	1.0	-	6.3	1,300	7.5	Cathode pulsed transmitter for transponder
C2069	1.09	630	1.0	-	6.3	1,000	20	Grid pulsed oscillator /amplifier
C2002A	1.09	700	1.0	±10	6.3	1,000	20	IFF grid pulsed oscillator /amplifier
C2003C	1.09	700	1.0	±10	6.3	1,000	20	IFF grid pulsed oscillator /amplifier
C2063	4.30	.0025	CW	-	5.6	80	15	Radar altimeter local oscillator
C2151	4.30	.025	CW	-	5.6	80	15	Oscillator
C2102	4.30	50	0.20	-	6.3	500	1,200	Grid pulsed radar altimeter transmitter
C2133	4.30	50	0.10	-	5.7	600	1,050	Plate pulsed radar altimeter transmitter
C2150	4.30	50	0.20	-	5.7	600	1,050	Plate pulsed radar altimeter transmitter
C2184	4.30	50	0.10	-	5.7	600	1,050	Plate pulsed oscillator
C2189	4.30	50	0.10	-	5.7	600	1,050	Plate pulsed oscillator
								Plate pulsed altimeter

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C2064	4.30	200	0.10	-	6.3	800	1,050	transmitter
C-2096	4.30	200	0.10	-	6.3	800	1,050	Plate pulsed altimeter transmitter
C2135	4.30	200	0.10	-	6.3	800	1,050	Plate pulsed altimeter transmitter
C2152	4.30	200	0.10	-	6.3	800	1,050	Plate pulsed altimeter transmitter
C2162M	5.65	75	0.15	±250	5.8	830	750	Plate pulsed oscillator for transponder
C2318	5.75	80	0.05	±250	5.8	830	750	Plate pulsed oscillator
C2022	5.75	400	0.15	±250	6.3	2,000	2,800	Plate pulsed oscillator
C2181	5.77	75	0.15	-	5.8	830	750	Plate pulsed oscillator
C2323-1	5.77	200	0.25	-	6.1	1,200	2,500	2-stage plate pulsed amplifier, instant BW 60 MHz, gain 25 dB
C2113	5.77	400	0.15	-	6.3	2,000	3,000	Plate pulsed oscillator

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