Characteristics

BURLE Type 7213

The BURLE 7213 is a forced-air-cooled UHF beam power tetrode designed for use in compact aircraft, mobile and stationary equipment. The 7213 features ceramic-metal construction and is rated to frequencies up to 1215 MHz.

The 7213 may be used in applications such as linear RF amplifiers, hard tube modulators, pulsed RF amplifiers, regulators, or other special services.

General Data

Electrical

Frequency (Max.)	1215	MHz
Heater:		
Voltage	5.5	V
Current	17.3	A
Mu-Factor (G1 to G2)	17	
Capacitance:		
G1-K	41	pF
G2-P	16.2	pF

Mechanical

Cooling	Forced Air
Max. Length	64.9 mm (3.34 in)
Max. Diameter	95.3 mm (3.75 in)
Weight	0.91 kg (2 lbs)
Operating Position	Any

Maximum Ratings

Anode Dissipation	1.5	kW
Grid-2 Dissipation	50	W

RF Amplifier - Class AB_1 Telegraphy Service

Typical Operation

Anode Voltage	2.5	kV
Grid-2 Voltage	0.7	kV
Anode Current	1.0	A
Drive Power	70	W
Power Output	1.1	kW
Frequency	600	MHz