

BURLE Type 4657

The BURLE 4657 is a very small, conduction-cooled beam power amplifier designed for use as an RF power amplifier, oscillator, regulator, distributed amplifier, or linear amplifier in mobile or fixed equipment.

The 4657 can be operated with relatively low anode voltage to give large power outputs with small drive power due to its high power sensitivity and high efficiency.

General Data

Electrical

Frequency (Max.)	500	MHz
Heater:		
Voltage	13.5	V
Current	1.3	A
Mu-Factor (G1 to G2)	11	
Capacitance:		
G1-K	16.3	pF
G2-P	6.4	pF

Mechanical

Cooling	Conduction
Max. Length	57.4 mm (2.26 in)
Max. Diameter	36.47 mm (1.436 in)
Weight	56.7 g (2 oz)
Operating Position	Any

Maximum Ratings

Anode Dissipation	100	W
Grid-2 Dissipation	8	W

RF Amplifier - Class B Telegraphy Service

Typical Operation

Anode Voltage	0.7	kV
Grid-2 Voltage	0.2	kV
Anode Current	0.3	A
Drive Power	5	W
Power Output	85	W
Frequency	470	MHz

