

BURLE Power Tubes -

BURLE Type 4628

The BURLE 4628 is a forced-air-cooled linear UHF beam power tetrode featuring ceramic-metal construction, quick-heat thoriated-tungsten filament, and good linearity for use in UHF translator service or other applications up to 890 MHz.

General Data

Electrical

Frequency (Max.)	890	MHz
Filament:		
Voltage	4.6	V
Current	125	A
Mu-Factor (G1 to G2)	10	
Capacitance:		
G1-F	58	pF
G2-P	13	pF

Mechanical

Cooling	Forced Air
Max. Length	143.5 mm (5.65 in)
Max. Diameter	156.7 mm (6.17 in)
Weight	4.5 kg (10 lbs)
Operating Position	Vertical

Maximum Ratings

Anode Dissipation	10	kW
Grid-2 Dissipation	150	W

UHF Linear TV Amplifier - Class AB₁ Service

Typical Operation

Anode Voltage	4	kV
Grid-2 Voltage	0.7	kV
Black Pedestal Level:		
Anode current	1.9	A
Drive power	40	W
Sync Level:		
Drive power	65	W
Power output	1	kW
Gain	12	dB

