

>> FC 311(1315) triode

■ Pulse output power 2 kW

General characteristics

CathodeOxide
Heating..... Indirect
Heater voltage6 V
Heater current 1.3 A
Interelectrode capacitances,approx:
 Cathode-grid 9 pF
 Cathode-anode 0.04 pF
 Grid-anode 1.65 pF
Transconductance($I_a=50\text{mA}$) 22 ± 6 mA/V
Amplification factor,average..... 110
Operating positionAny
Weight,approx 20 g
Dimensions.....See page 94
Cooling.....Conduction and convection
Temperature on the surface of the tube,max..... 250°C



Maximum ratings

Frequency 3000 MHz
Anode voltage2500V
Anode current,average.....10 mA
Anode dissipation10 W
Grid dissipation.....1.5 W
Grid voltage.....150 V

Typical operation

Class C grid-pulsed RF power amplifier(or oscillator)

Frequency	1100	MHz
Pulse output power(approx.)	2	kW
Anode dc voltage	1.7	kV
Grid dc voltage U_0	-45	V
Peak anode current	1.9	A
Duty factor	0.001	
Pulse duration	3.5	μs