

## YD1202 - industrial water-cooled triode with output power 163 kW

### Electrical characteristics:

Filament Voltage	12.2	V
Filament Current	250	A
Amplification Factor	36	
Interelectrode capacitances		
Cga	57	pF
Cgc	160	pF
Cca	2.4	pF

### Typical operation:

Class C, RF oscillator for industrial applications

Frequency	30	MHz
DC Plate Voltage	12	kV
Grid Resistance	225	$\Omega$
DC Plate Current	18	A
DC Grid Current	4	A
Grid Dissipation	2	kW
Plate Input Power	216	kW
Plate Output Power	163	kW
Plate Dissipation	47	kW

Maximum Weight	11.5	kg
Maximum Length	425	mm
Maximum Diameter	191	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 200	$^{\circ}\text{C}$
Anode cooling	water	
Min. water pressure at inlet	6	bar
Max. water T $^{\circ}$ at outlet	60	$^{\circ}\text{C}$

### Maximum ratings:

DC Plate Voltage	15	kV
Frequency	30	MHz
Grid Dissipation	2.5	kW
Plate Dissipation	80*	kW
Plate Output Power	163	kW

