

## YD1212 - industrial water-cooled triode with output power 240 kW

### Electrical characteristics:

Filament Voltage	12.6	V
Filament Current	380	A
Amplification Factor	40	
Interelectrode capacitances		
Cga	60	pF
Cgc	185	pF
Cca	3	pF

### Typical operation:

Class C, RF oscillator for industrial applications

Frequency	30	MHz
DC Plate Voltage	14	kV
Grid Resistance	135	$\Omega$
DC Plate Current	23.5	A
DC Grid Current	6	A
Grid Dissipation	2.6	kW
Plate Input Power	329	kW
Plate Output Power	240	kW
Plate Dissipation	81.5	kW

Maximum Weight	15	kg
Maximum Length	408	mm
Maximum Diameter	191	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 240	$^{\circ}\text{C}$
Anode cooling	Water	
Min. water pressure at inlet	600	kPa
Max. water T $^{\circ}$ at outlet	60	$^{\circ}\text{C}$

### Maximum ratings:

DC Plate Voltage	16.8	kV
Frequency	30	MHz
Grid Dissipation	3	kW
Plate Dissipation	120	kW
Plate Output Power	240	kW

