

## RS3021CJ - industrial water-cooled triode with output power 25 kW

### Electrical characteristics:

Filament Voltage	5.7	V
Filament Current	135	A
Amplification Factor	120	
Interelectrode capacitances		
Cga	11	pF
Cgc	56	pF
Cca	0.3	pF

### Typical operation (class C, RF amp.):

	1		2	
Frequency	<120	MHz	<120	MHz
DC Plate Voltage	9.5	kV	9	kV
DC Plate Current	3.2	A	2	A
Grid Current	0.92	A	0.45	A
Grid Dissipation	191	W	55	W
Grid Voltage	-220	V	-65	V
Plate Output Power	22.7	kW	12.3	kW
Plate Dissipation	6.6	kW	5.6	kW

Maximum Weight	4.1	kg
Maximum Length	247	mm
Maximum Diameter	130	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	water	
Max. water To at outlet	65	°C
Min. water pressure at inlet	6	bar

### Maximum ratings:

DC Plate Voltage	14	kV
Frequency	120	MHz
Grid Dissipation	70	W
Grid 2 Dissipation	500	W
Plate Dissipation	20	kW
Plate Output Power	25	kW

