

Type	Allgemeine Daten General data		Betriebswerte Typical operation	Grenzwerte Maximum ratings																																								
<p>RS 631</p> <p>Strahlungsgekühlte 1,25 kW-Sendetriode für Nachrichtentechnik und UKW-Sender</p> <p>Radiation-cooled 1.25 kW-transmitting-triode for VHF-transmitters and Communication transmitters</p>	<p>$U_f = 10 \text{ V}$ $I_f \text{ ca. } 11 \text{ A}$</p> <p>thorierte Wolfram-Kathode, direkt geheizt</p> <p>thoriated tungsten cathode, directly heated</p>	<p>$I_e \text{ ca. } 5 \text{ A}$ $U_a = U_g = 450 \text{ V}$ $D \text{ ca. } 3,3 \%$ $\mu \text{ ca. } 30$ $S \text{ ca. } 5,3 \text{ mA/V}$</p>	<p>HF-Verstärker, Telegraphie A1 RF-amplifier, telegraphy $f < 100 \text{ MHz}$</p> <table border="0"> <tr> <td></td> <td>B-Betrieb</td> <td>C-Betrieb</td> <td></td> </tr> <tr> <td></td> <td>class B</td> <td>class C</td> <td></td> </tr> <tr> <td>U_a</td> <td>= 4000</td> <td>4000</td> <td>V</td> </tr> <tr> <td>U_{g1}</td> <td>= -135</td> <td>-350</td> <td>V</td> </tr> <tr> <td>I_{a0}</td> <td>= 70</td> <td>—</td> <td>mA</td> </tr> <tr> <td>I_a</td> <td>= 368</td> <td>535</td> <td>mA</td> </tr> <tr> <td>I_{g1}</td> <td>= 93</td> <td>115</td> <td>mA</td> </tr> <tr> <td>$U_{g1} \sim_{sp}$</td> <td>= 283</td> <td>580</td> <td>V</td> </tr> <tr> <td>$N_{a \sim}$</td> <td>= 1145</td> <td>1690</td> <td>W</td> </tr> <tr> <td>N_{st}</td> <td>= 26</td> <td>67</td> <td>W</td> </tr> </table>		B-Betrieb	C-Betrieb			class B	class C		U_a	= 4000	4000	V	U_{g1}	= -135	-350	V	I_{a0}	= 70	—	mA	I_a	= 368	535	mA	I_{g1}	= 93	115	mA	$U_{g1} \sim_{sp}$	= 283	580	V	$N_{a \sim}$	= 1145	1690	W	N_{st}	= 26	67	W	<p>$U_a (f < 100 \text{ MHz}) = 4 \text{ kV}$</p> <p>$U_{asp} (f < 100 \text{ MHz}) = 12 \text{ kV}$</p> <p>$Q_a = 500 \text{ W}$ $Q_g = 50 \text{ W}$</p> <p>$f_{max} = 100 \text{ MHz}$</p>
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<p>Kapazitäten Capacitances</p> <p>$c_{gk} \text{ ca. } 10,5 \text{ pF}$ $c_{ak} \text{ ca. } 0,3 \text{ pF}$ $c_{ga} \text{ ca. } 8 \text{ pF}$</p>	<p>Zubehör: Fassung Lg.-Nr. 30 229 Anodenanschluß Lg.-Nr. 30 393</p> <p>Accessories: Socket stock no. 30 229 Anode clip stock no. 30 393</p>	<p>HF-Oszillator für Industriegeneratoren mit U_a vom 1-Phasen-Doppelweggleichrichter, ohne Filter RF-oscillator for industrial generators with U_a from 1 phase-full-wave-rectifier, without filter</p> <table border="0"> <tr> <td>f</td> <td>< 100 MHz</td> <td></td> </tr> <tr> <td>U_a</td> <td>= 3600 V</td> <td></td> </tr> <tr> <td>I_a</td> <td>= 450 mA</td> <td></td> </tr> <tr> <td>I_{g1}</td> <td>= 100 mA</td> <td></td> </tr> <tr> <td>R_{g1}</td> <td>= 3000 Ω</td> <td></td> </tr> <tr> <td>$N_{a \sim}$</td> <td>= 1500 W</td> <td></td> </tr> </table>	f	< 100 MHz		U_a	= 3600 V		I_a	= 450 mA		I_{g1}	= 100 mA		R_{g1}	= 3000 Ω		$N_{a \sim}$	= 1500 W		<p>mit Selbstgleichrichtung with self-rectification</p> <table border="0"> <tr> <td>f</td> <td>< 100 MHz</td> </tr> <tr> <td>U_{Tr}</td> <td>= 4500 V_{eff}</td> </tr> <tr> <td>I_a</td> <td>= 280 mA</td> </tr> <tr> <td>I_{g1}</td> <td>= 55 mA</td> </tr> <tr> <td>R_{g1}</td> <td>= 3400 Ω</td> </tr> <tr> <td>$N_{a \sim}$</td> <td>= 1000 W</td> </tr> </table>	f	< 100 MHz	U_{Tr}	= 4500 V_{eff}	I_a	= 280 mA	I_{g1}	= 55 mA	R_{g1}	= 3400 Ω	$N_{a \sim}$	= 1000 W											
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