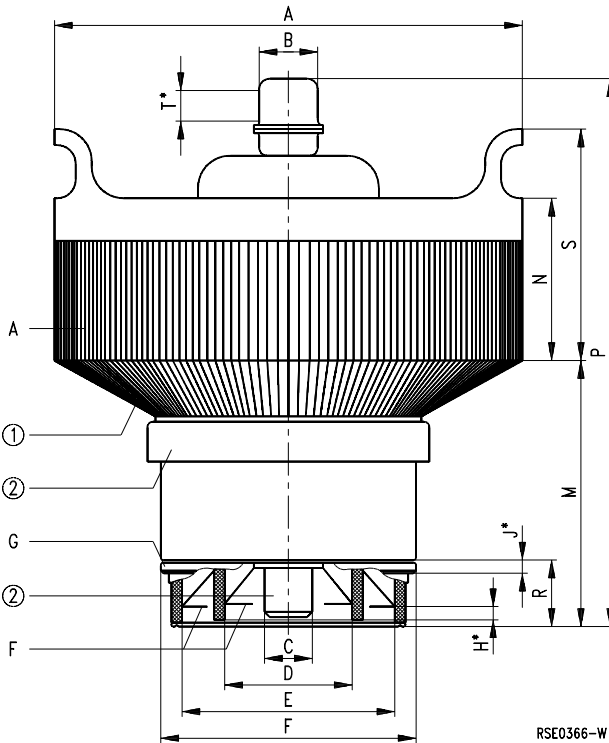


Ordering code Q51-X701

Coaxial metal-ceramic power triode, forced-air-cooled, intended to be used as a zero-bias class-B amplifier in audio or radio-frequency applications up to 25 kW power output.



Dimensional data

	min	max
A	175,97	179,07
B	21,72	25,49
C	18,29	19,30
D	48,16	49,17
E	79,58	80,59
F	96,32	97,33
H	4,77	
J	4,77	
M	100,33	109,22
N	61,26	70,81
P	209,55	222,25
R	25,04	26,67
S	86,66	96,21
T	9,52	

RSE0366-W

Dimensions in mm

- ① Air inlet
- ② Do not use as terminal

Approx. weight 5,5 kg

**Heating**

Heater voltage	$U_F$	7,5	V
Heater current	$I_F$	≈ 100	A
Heating: direct			
Cathode: thoriated tungsten			

**Characteristics**

Transconductance at $U_A = 5 \text{ kV}$ , $I_A = 5 \text{ A}$	s	55	mA/V
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**Capacitances**

Cathode/grid	$C_{kg}$	≈ 59	pF
Cathode/anode	$C_{ka}$	≈ 0,2	pF
Grid/anode	$C_{ga}$	≈ 36	pF

**Accessories**

**Ordering code**

Socket	RöFsg215	Q81-X641
Air duct	RöAnst215	Q81-X633

**Anode modulation,  
class C operation**

**Maximum ratings**

Frequency	$f$	160	MHz
Anode voltage (dc)	$U_A$	6,5	kV
Grid voltage (dc)	$U_G$	- 500	V
Anode current (dc)	$I_A$	3,0	A
Anode dissipation	$P_A$	10	kW
Grid dissipation	$P_G$	500	W

**Operating characteristics**

Frequency	$f$	≤ 30	MHz
Carrier power	$P_{trg}$	11,9	kW
Anode voltage (dc)	$U_A$	5,0	kV
Grid bias (dc)	$U_G$	- 200	V
Peak grid voltage (ac)	$U_{g,m}$	490	V
Anode current (dc)	$I_A$	3,0	A
Grid current (dc)	$I_G$	0,8	A
Anode input power	$P_{B A}$	15	kW
Drive power	$P_1$	380	W
Anode dissipation	$P_A$	3,1	kW
Grid dissipation	$P_G$	220	W
Efficiency	$\eta$	79	%
Anode load resistance	$R_A$	825	$\Omega$

$U_{KG} = f(U_{AG})$       Parameter =  $I_A$  \_\_\_\_\_  
 Parameter =  $I_G$  - - - - -

RSE0360-H

