

Radiation-cooled dual transmitting tetrode designed for frequency multiplication and audio-frequency amplification, explicitly equivalent to SRS4452 and 6252.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 650 mA	PARALLEL HEATER	6.3 V / 650 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	600 V
Promoted ratings/characteristics are source-published values; additional published values and operating examples are preserved in the parameter table.	

SECTION2 Tetrode	
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	600 V
Second physical tetrode section; added to align rows with SectionCount.	

QQE05320 is a radiation-cooled dual transmitting tetrode intended for frequency multiplication, audio-frequency amplification. The source publishes heater data, static characteristics, operating examples, limiting ratings, capacitances, and mechanical or cooling requirements as applicable. The source explicitly states equivalence among SRS 4452, QQE 053/20, and 6252.

SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1953 RFT RUNDFUNK TECHNIK

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heizstrom Te D	6.65 A	Heizstrom Te D 06,65 A
f 200 200 400 400	600 MHz	f 200 200 400 400 600 MHz
i 200 200	400 MHz	i 200 200 400 MHz
Ua' 500 300	300 V	Ua' 500 300 300 V
Ug2 e 250	250 V	Ug2 e 250 250 V
Ug1 -80 -50 =	50 V	Ug1 -80 -50 =50 V
Ia 2x40 2x40 2x	40 mA	Ia 2x40 2x40 2x40 mA
Iéä" 2x4 05 2x	3 mA	Iéä" 2x4 05 2x3 mA
Ig1 2x1 2x1 2x	1 mA	Ig1 2x1 2x1 2x1 mA
Qa ' 2x4 ,5 229	255 W	Qa ' 2x4 ,5 229 255 W
Qg2 2x1 2x1	20715 W	Qg2 2x1 2x1 20715 W
BA 31 Wr	12 W	BA 31 Wr 12 W
N E 71	54 %	N E 71 54 %
f 66,7/200 133/	400 MHz	f 66,7/200 133/400 MHz
Ua mod maxX	500 V	Ua mod maxX 500 V
Ug1 min	75 V	Ug1 min 75 V
Steuergitterverlustistg. Qg1 max 2x0	5 W	Steuergitterverlustistg. Qg1 max 2x0;5 W
] rungen darf	1 %	] rungen darf 1%80°C nicht übersteigen.
f =	150 MHz	f = 150 MHz bei U, 600 V
f ®	200 MHz	f ® 200 MHz bei U, 500 V
f=	430 MHz	f= 430 MHz bei Ua 300 7

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
In der wievielten Stufe arbeitet die Röhre@?	0 mA	In der wievielten Stufe arbeitet die Röhre@?.....0000000000 A

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Schirmgitterspannung Ug2	250 A	Schirmgitterspannung Ug2 250 A'd
Anodenstrom Ia	20 mA	Anodenstrom Ia 20 mA
Steilheit S	2.5 mA	Steilheit S 2,5 mA/Y
Anodenspannung Ua R0	600 V	Anodenspannung Ua RO 600 V
Kathodenstrom ;k Ka	2555 mA	Kathodenstrom ;k Ka 2555 mA
Gitterstrom ig1 Ar	2245 mA	Gitterstrom ig1 Ar 2245 mA

TUBE TINKER

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