

ELECTRONIC TUBE REFERENCE

TT15

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Twin beam tetrode with two equivalent systems for push-pull VHF RF power amplification and audio service, with reduced-input operation extending to approximately 250 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0039 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	75 W
MAXIMUM SCREEN DISSIPATION	1.25 W
Representative section row for two equivalent systems. Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

SECTION2 Beam Power	
TRANSCONDUCTANCE	0.0039 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	75 W
MAXIMUM SCREEN DISSIPATION	1.25 W
<i>Second identical physical beam-power section.</i>	

The TT15 is a twin beam-tetrode valve with two equivalent systems for push-pull RF power-amplifier and audio-amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
reduced inputs, up to	250 MHz	reduced inputs, up to 250 Mc/s.
Grid Resistor. The maximum permissible DC grid to cathode [1]	1	Grid Resistor. The maximum permissible DC grid to cathode 1 90 mA
Grid Resistor. The maximum permissible DC grid to cathode [2]	90	Grid Resistor. The maximum permissible DC grid to cathode 1 90 mA
These values assume that a stabilised power supply of very low I, [1]	12 W	These values assume that a stabilised power supply of very low I, 12-5 mA
These values assume that a stabilised power supply of very low I, [2]	-5 W	These values assume that a stabilised power supply of very low I, 12-5 mA
impedance is used. Ia (a) [1]	2 ohm	impedance is used. Ia (a) 2:5 mA
impedance is used. Ia (a) [2]	5 ohm	impedance is used. Ia (a) 2:5 mA
([1]	2 W	(2) PUSH-PULL RF POWER AMPLIFIER. Zto mod 3,130 O
([2]	3130 W	(2) PUSH-PULL RF POWER AMPLIFIER. Zto mod 3,130 O
Viz [1]	175	Viz 175 175 v Greater anode inputs in the carrier conditions may be
Viz [2]	175	Viz 175 175 v Greater anode inputs in the carrier conditions may be
Vinpk) gt [1]	-81 W	Vinpk) gt -81) 110 110 v The anode dissipation must not exceed 15 W under
Vinpk) gt [2]	110 W	Vinpk) gt -81) 110 110 v The anode dissipation must not exceed 15 W under

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vinpk) gt [3]	110 W	Vinpk) gt -81) 110 110 v The anode dissipation must not exceed 15 W under
Vinpk) gt [4]	15 W	Vinpk) gt -81) 110 110 v The anode dissipation must not exceed 15 W under

TUBE TINKER

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