

ELECTRONIC TUBE REFERENCE

QQV0416

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TETRODE

UHF double tetrode designed for amplifier, frequency-tripler, and oscillator service to approximately 960 MHz. Its twin sections support compact UHF power generation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	6.3 V / 600 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.0105 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	1.75 W
MAXIMUM CATHODE CURRENT	50 mA
Two electrically similar RF tetrode sections; represented once under identical-section compression.	

UHF double tetrode for amplifier, frequency-trebler, and oscillator service to 960 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	960 MHz	—
RF operating frequency	960 MHz	ClassC
RF plate voltage	250 V	ClassC
RF screen voltage	160 V	ClassC
RF control-grid voltage	-15 V	ClassC
RF plate current per section	35 mA	ClassC
RF output power	7 W	ClassC
RF operating frequency	960 MHz	ClassC,ICAS
RF plate voltage	250 V	ClassC,ICAS
RF screen voltage	170 V	ClassC,ICAS
RF control-grid voltage	-15 V	ClassC,ICAS
RF plate current per section	40 mA	ClassC,ICAS
RF output power	8 W	ClassC,ICAS
RF operating frequency	960 MHz	ClassC,FrequencyTripler
RF plate voltage	250 V	ClassC,FrequencyTripler
RF screen voltage	150 V	ClassC,FrequencyTripler
RF plate current per section	37.5 mA	ClassC,FrequencyTripler
RF output power	2.75 W	ClassC,FrequencyTripler
Bulb temperature maximum	220 C	—
Pin temperature maximum	220 C	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-grid capacitance per section	0.145 pF	—
Push-pull input capacitance	4.5 pF	PushPull
Push-pull output capacitance	1.35 pF	PushPull

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	10.5 mA/V	—
Grid1-to-grid2 amplification factor	26	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	RF power amplifier / oscillator / frequency multiplier	—

TUBE TINKER

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