



ELECTRONIC TUBE REFERENCE

7717

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Sharp-cutoff tetrode for mobile-communications amplifier service, co-designated 7717/6CY5, providing VHF signal gain in compact communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	25000 Ω
TRANSCONDUCTANCE	0.007 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.75 W
MAXIMUM CATHODE CURRENT	25 mA
<i>Alias/co-designation of 6CY5;</i>	

Sharp-cutoff tetrode for mobile-communications amplifier service; co-designated 7717/6CY5.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	200 mA	—
Plate voltage	125 V	ClassA
Screen voltage	80 V	ClassA
Grid voltage	-1 V	ClassA
Plate current	10 mA	ClassA
Screen current	1.4 mA	ClassA
Maximum plate voltage	180 V	—
Maximum screen voltage	180 V	—
Maximum plate dissipation	2 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	125000 ohm	ClassA
Transconductance	8000 uS	ClassA

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.03 pF	—
Input capacitance	4.4 pF	—
Output capacitance	2.74 pF	—

TUBE TINKER

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