TENTATIVE DATA 12SF7GT

TUNG-SOL

DIODE AMPLIFIER PENTODE

PHYSICAL SPECIFICATIONS

EMITTER COATED UNIPOT. CATHODE	PIN CONNECTIONS	
BASE 8 PIN OCTAL WAFER WITH METAL SHELL	PIN 1 BASE SHELL, INTER-PIN SHIELD	
	PIN 2 GRID 1	PIN 7 HEATER
BULB T-9	PIN 3 G3, S1, K	PIN 8 HEATER
MAXIMUM DIAMETER 1 5/16"	PIN 4 GRID 2	
MAXIMUM OVERALL LENGTH 3 5/16"	PIN 5 DI. PLATE	MOUNTING POS. ANY
MAXIMUM SEATED HEIGHT 2 3/4"	PIN 6 PENT. PLATE	

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	AMP.
MAXIMUM PENTODE PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	100	VOLTS
MAXIMUM PENTODE PLATE DISSIPATION	3.5	WATTS
MAXIMUM SCREEN DISSIPATION	0.5	WATT
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MINIMUM DIODE PLATE CURRENT WITH 10 VOLTS DC APPLIED	0.8	MA.

CAPACITANCES
WITH EXTERNAL SHIELD CONNECTED TO CATHODE

CONTROL GRID TO CATHODE	5.5	μμf
PENTODE PLATE TO CATHODE	6.0	μμf
GRID TO PENTODE PLATE	0.004	μμf (MAX.)
DIODE PLATE TO PENTODE GRID 1	0.002	μμf (MAX.)
DIODE PLATE TO PENTODE PLATE	1.3	μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A_1 AMPLIFIER

HEATER OR FILAMENT VOLTAGE	12.6	12.6	VOLTS
HEATER OR FILAMENT CURRENT	0.15	0.15	AMP.
PLATE VOLTAGE	100	250	VOLTS
SCREEN VOLTAGE	100	100	VOLTS
CONTROL GRID VOLTAGE	-1	-1	VOLT
PEAK AF SIGNAL VOLTAGE			VOLTS
PLATE CURRENT	12	12.4	MA.
SCREEN CURRENT	3.4	3.3	MA.
MAXIMUM-SIGNAL PLATE CURRENT			MA.
MAXIMUM-SIGNAL SCREEN CURRENT			MA.
PLATE RESISTANCE (APPROX.)	0.2	0.7	MEGOHM
TRANSCONDUCTANCE	1975	2050	μMHOS
AMPLIFICATION FACTOR			
LOAD RESISTANCE			OHMS
TOTAL HARMONIC DISTORTION			PER CENT
POWER OUTPUT			WATTS
CONTROL GRID VOLTAGE (APPROX.) FOR TRANSCONDUCTANCE=10 μMHOS	-35	-35	VOLTS

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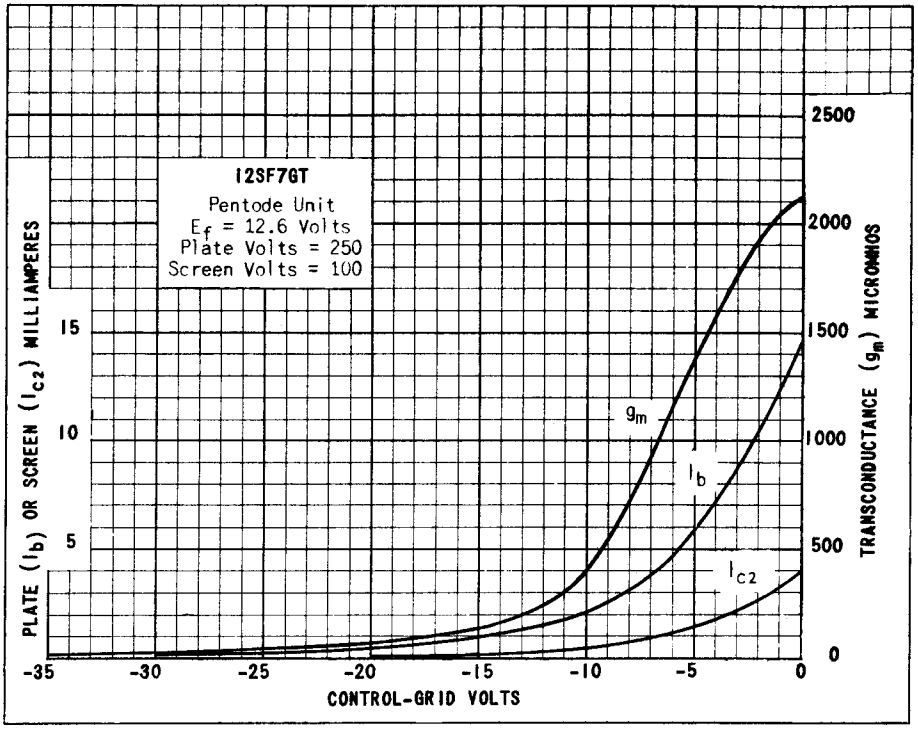
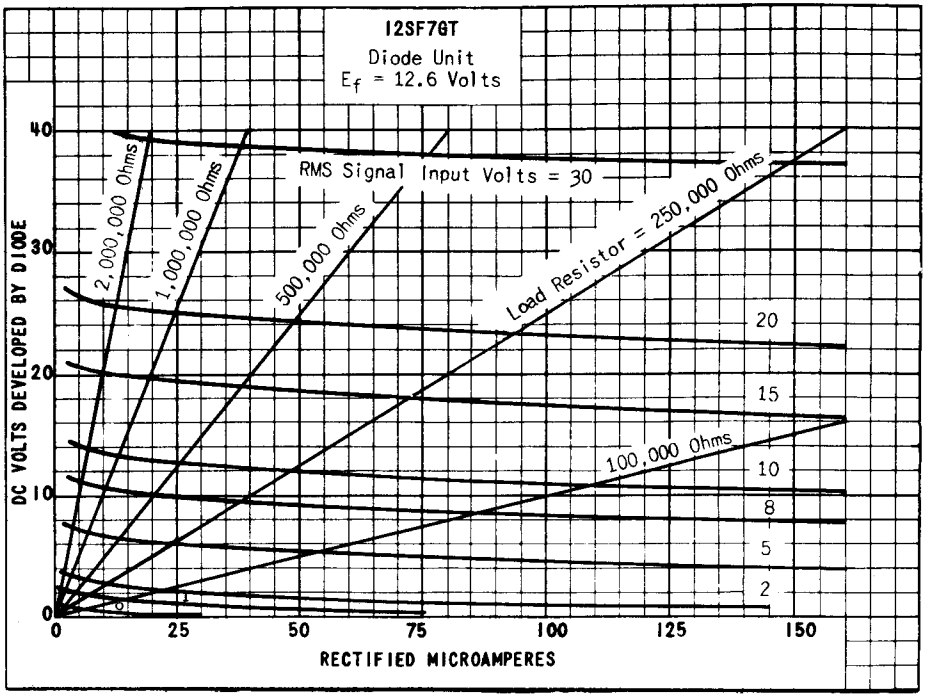
APRIL 15 1946

12SF7GT





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