TENTATIVE DATA

12AH7GT

TUNG-SOL

TWIN TRIODE

PHYSICAL SPECIFICATIONS

EMITTER	UNIPOTENTIAL CATHODE	PIN CONNECTIONS			
BASE	8-PIN OCTAL BAKELITE	PIN 1	GRID 1	PIN 7	HEATER
CAP	NONE	PIN 2	CATHODE 1	PIN 8	HEATER
BULB	T-9	PIN 3	PLATE 1		
MAXIMUM DIAMETER	1 5/16"	PIN 4	CATHODE 2		
MAXIMUM OVERALL LENGTH	3 1/16"	PIN 5	GRID 2	TOP CAP	NONE
MAXIMUM SEATED HEIGHT	2 1/2"	PIN 6	PLATE 2		

RATINGS

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	.150	AMPS.
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE		VOLTS
MAXIMUM PLATE DISSIPATION	2.5	WATTS
MAXIMUM SCREEN DISSIPATION		WATTS

RATINGS ARE TO BE INTERPRETED ACCORDING TO RMA STANDARD M8-210

CAPACITANCES (WITH TIGHT FITTING SHIELD)

GRID TO CATHODE	3.2	2.9	MAX. μμf
PLATE TO CATHODE	3.0	2.6	MAX. μμf
GRID TO PLATE	2.2	3.0	MAX. μμf
PLATE TO PLATE	.4		MAX. μμf
GRID TO GRID	.06		MAX. μμf

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
(EACH TRIODE SECTION)

HEATER OR FILAMENT VOLTAGE (AC OR DC)	12.6	VOLTS
HEATER OR FILAMENT CURRENT	.150	AMPS.
PLATE VOLTAGE	250	VOLTS
SCREEN VOLTAGE		VOLTS
GRID VOLTAGE	-9	VOLTS
PEAK AF SIGNAL VOLTAGE		VOLTS
PLATE CURRENT	12	MA.
ZERO-SIGNAL SCREEN CURRENT		MA.
MAXIMUM-SIGNAL PLATE CURRENT		MA.
MAXIMUM-SIGNAL SCREEN CURRENT		MA.
PLATE RESISTANCE	6600	OHMS
TRANSCONDUCTANCE	2400	μMHOS
AMPLIFICATION FACTOR	16	
PLATE CURRENT WITH EG = -30 VOLTS	10	MMA

GENERAL DESCRIPTION

APPLICATION: THE 12AH7GT IS A CATHODE TYPE OF TUBE CONSISTING OF TWO TRIODES WITHIN A SINGLE ENVELOPE. IT WAS DESIGNED FOR USE IN CONVERTER AND AUDIO APPLICATIONS. THE 12AH7GT IS A GLASS TUBE EQUIPPED WITH AN OCTAL BASE.

PRINTED IN U. S. A.

PLATE 1317-1
SEPT. 23 1943