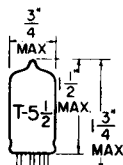


## TUNG-SOL

DOUBLE DIODE  
MINIATURE TYPE

GLASS BULB

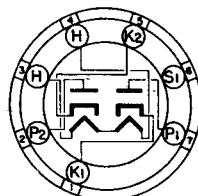
COATED UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS 0.15 AMP.

AC OR DC

ANY MOUNTING POSITION

BOTTOM VIEW  
MINIATURE BUTTON  
7 PIN BASE  
68T

THE 12AL5 COMBINES TWO INDEPENDENT DIODE UNITS IN THE 7 PIN MINIATURE CONSTRUCTION. ITS HIGH PERVEANCE PERMITS HIGH EFFICIENCY IN EITHER FM OR AM DETECTOR SERVICE.

## DIRECT INTERELECTRODE CAPACITANCES

	WITHOUT SHIELD	WITH SHIELD <sup>A</sup>	
PLATE INPUT: P TO (H+K+IS) EACH UNIT	2.5	3.2	$\mu$ mf
COUPLING: 1P TO 2P (MAX.)	0.068	0.026	$\mu$ mf
CATHODE INPUT: K TO (P+H+IS) EACH UNIT	3.4	3.6	$\mu$ mf

<sup>A</sup>EXTERNAL SHIELD #316 CONNECTED TO PIN #6.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	330	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	330	VOLTS
MAXIMUM AC PLATE VOLTAGE (EACH PLATE) RMS	117	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT (EACH PLATE)	54	MA.
MAXIMUM DC OUTPUT CURRENT (EACH PLATE)	9	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE (EACH PLATE)	300	OHMS

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

## HALF-WAVE RECTIFIER

HEATER VOLTAGE	12.6	VOLTS
HEATER CURRENT	0.15	AMP.
AVERAGE DIODE CURRENT (EACH UNIT) AT 10 VOLTS DC	60	MA.

THE RESONANT FREQUENCY OF EACH UNIT OF THE 12AL5 IS 700 MC. (APPROX.)

# 12AL5(6AL5)

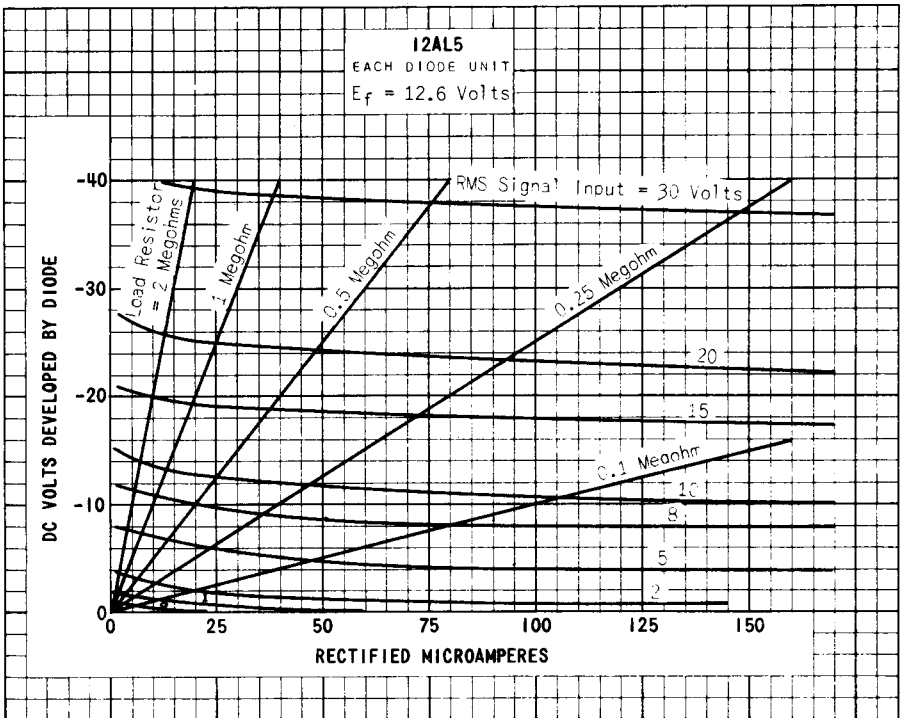
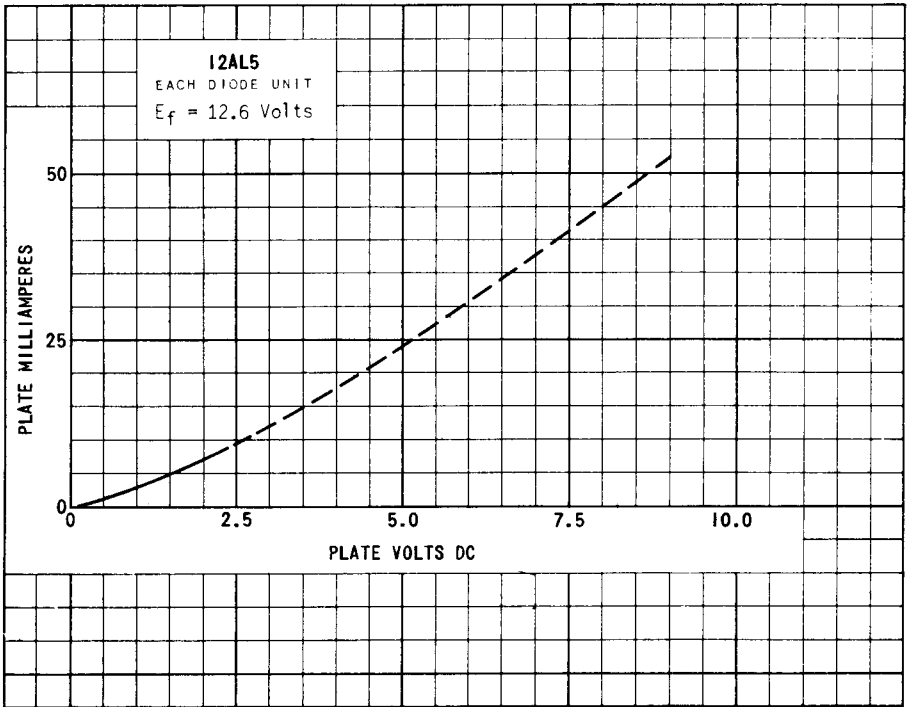


PLATE 3167