

TUNG-SOL

TRIODE

MINIATURE TYPE

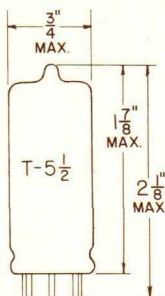
COATED UNIPOTENTIAL CATHODE

HEATER

SERIES SUPPLY

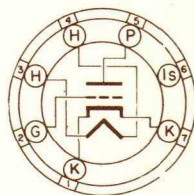
3.1 VOLTS 0.45 AMP.

ANY MOUNTING POSITION



GLASS BULB

5-2



BOTTOM VIEW

7 P P

THE 3FY5 IS A REMOTE CUT-OFF, FRAME GRID SHIELDED TRIODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS ESPECIALLY DESIGNED FOR SERVICE IN VHF TUNERS OF TELEVISION RECEIVERS, AND IS CONTROLLED FOR LOW NOISE FIGURE AT 220 MC/S AND OPERATION AT LOW SUPPLY VOLTAGES. EXCEPT FOR HEATER RATINGS, THE 3FY5 IS IDENTICAL TO THE 2FY5 AND THE 6FY5.

DIRECT INTERELECTRODE CAPACITANCES

	WITHOUT EXT. SHIELD	WITH EXT. SHIELD	
INPUT	4.75	4.75	$\mu\mu\text{f}$
OUTPUT	3.3	4.3	$\mu\mu\text{f}$
GRID TO HEATER (MAX.)	0.28	0.28	$\mu\mu\text{f}$
PLATE TO CATHODE	0.25	0.21	$\mu\mu\text{f}$
GRID TO CATHODE	3.2	3.2	$\mu\mu\text{f}$
CATHODE TO HEATER	2.5	2.5	$\mu\mu\text{f}$
PLATE TO GRID	0.50	0.48	$\mu\mu\text{f}$

RATINGS

ABSOLUTE MAXIMUM VALUES

HEATER VOLTAGE	3.1	VOLTS
MAXIMUM PLATE VOLTAGE	200	VOLTS
MAXIMUM PLATE VOLTAGE (ZERO PLATE CURRENT)	550	VOLTS
MAXIMUM PLATE DISSIPATION	2.2	WATTS
MAXIMUM CATHODE CURRENT	20	MA.
MAXIMUM NEGATIVE GRID VOLTAGE	50	VOLTS
MAXIMUM GRID CIRCUIT RESISTANCE	1	MEG OHM
MAXIMUM CATHODE-HEATER VOLTAGE	100	VOLTS
MAXIMUM CATHODE-HEATER CIRCUIT RESISTANCE	20 000	OHMS

TYPICAL OPERATION

HEATER VOLTAGE		3.3	VOLTS
HEATER CURRENT		0.45	AMP.
PLATE VOLTAGE	135	135	VOLTS
NEGATIVE GRID BIAS	1	3.1	VOLTS
PLATE CURRENT	11		MA.
TRANSCONDUCTANCE	13 000	625	μMHOS
AMPLIFICATION FACTOR	70	125	