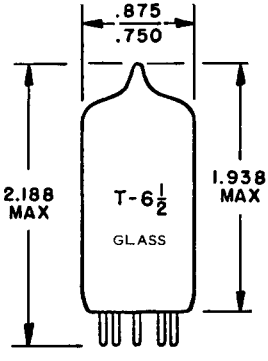
TUNG-SOL

TRIPLE DIODE

MINIATURE TYPE

OUTLINE DRAWING
JEDEC 6-2



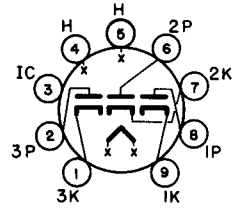
BUTTON 9 PIN BASE
JEDEC E9-1

FOR
AM AND FM
DETECTION

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 9QM



BOTTOM VIEW

THE 6GQ7 IS A TRIPLE HIGH PERVEANCE DIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS AN AM DETECTOR AND FM RADIO-DETECTOR OR DISCRIMINATOR.

DIRECT INTERELECTRODE CAPACITANCES

PLATE INPUT EACH UNIT: P TO (K +H)	2.05	pf
CATHODE INPUT EACH UNIT: K TO (P + H)	3.10	pf
PLATE, UNIT #1 TO PLATE, UNIT #2	0.47	pf
PLATE, UNIT #1 TO PLATE, UNIT #3	0.47	pf
PLATE, UNIT #2 TO PLATE, UNIT #3	0.05	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	450	mA
LIMITS OF APPLIED VOLTAGE		6.3 ± 0.6	VOLTS
PEAK HEATER-CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE		330	VOLTS
DC COMPONENT		330	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		200	VOLTS
DC COMPONENT		100	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PEAK INVERSE VOLTAGE	330	VOLTS
AC PLATE VOLTAGE RMS - EACH PLATE	117	VOLTS
STEADY STATE PEAK PLATE CURRENT - EACH PLATE	54	mA
DC OUTPUT CURRENT - EACH PLATE	9	mA
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDENCE - EACH PLATE	300	OHMS

CHARACTERISTICS

TUBE VOLTAGE DROP AT 60 mA	10	VOLTS
RESONANT FREQUENCY - EACH UNIT	APPROX. 700	Mc/s