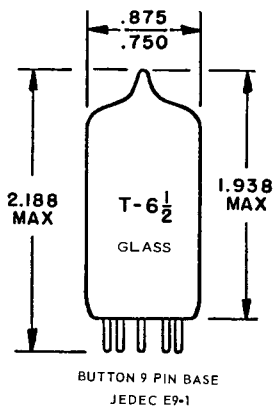


**TUNG-SOL**

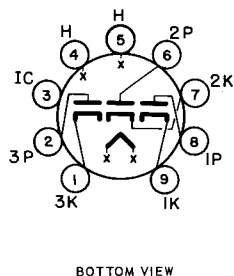
TRIPLE DIODE

MINIATURE TYPE

OUTLINE DRAWING  
JEDEC 6-2



BASING DIAGRAM  
JEDEC 9QM



FOR  
AM AND FM  
DETECTION

COATED UNIPOTENTIAL CATHODE  
ANY MOUNTING POSITION

THE 19GQ7 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	18.9 VOLTS	150	mA
LIMITS OF SUPPLIED CURRENT		150 ± 9	mA
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

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**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

