OBJECTIVE FOR DEVELOPMENTAL TYPE

Y-1266*

METAL-CERAMIC TRIODE

For UHF Oscillator Applications

The Y-1266 is a medium-mu triode of ceramic-and-metal planar construction primarily intended for use as a UHF oscillator.

GENERAL

Electrical

Cathode - Coated Unipotential

Heater Characteristics and Ratings		
Heater Voltage, AC or DC‡	6.3±0.3	Volts
Heater Current§	0.24	Amperes
Direct Interelectrode Capacitances¶		
→ Grid to Plate: (g to p)	1.4	pf
Input: g to (h + k)	1.4	pf
Output: p to (h + k)	0.018	pf

Mechanical

Operating Position - Any

MAXIMUM RATINGS

Absolute-Maximum Values

Plate Voltage	350	Volts
Plate Dissipation	4.0	Watts
DC Grid Current	15	Milliamperes
DC Cathode Current	40	Milliamperes
Heater-Cathode Voltage		
Heater Positive with Respect to Cathode	50	Volts
Heater Negative with Respect to Cathode	50	Volts
Grid Circuit Resistance	Ø	
Envelope Temperature at Hottest Point	250	C

CHARACTERISTICS AND TYPICAL OPERATION

Average Characteristics		
Plate Voltage	150	Volts
Grid Voltage	0	Volts
Amplification Factor	35	
Transconductance	8000	Micromhos
Plate Current	25	Milliamperes
UHF Oscillator Service		
Plate Voltage	200	Volts
Grid Resistor	Ø	
Plate Current	30	Milliamperes
Grid Current	Ø	
Frequency	400	Megacycles
Power Output, approximate	3	Watts

* Publication of these data does not obligate the General Electric Company to manufacture a tube with these characteristics.

‡ The equipment designer should design the equipment so that heater voltage is centered at the specified bogey value, with heater supply variations restricted to maintain heater voltage within the specified tolerance.

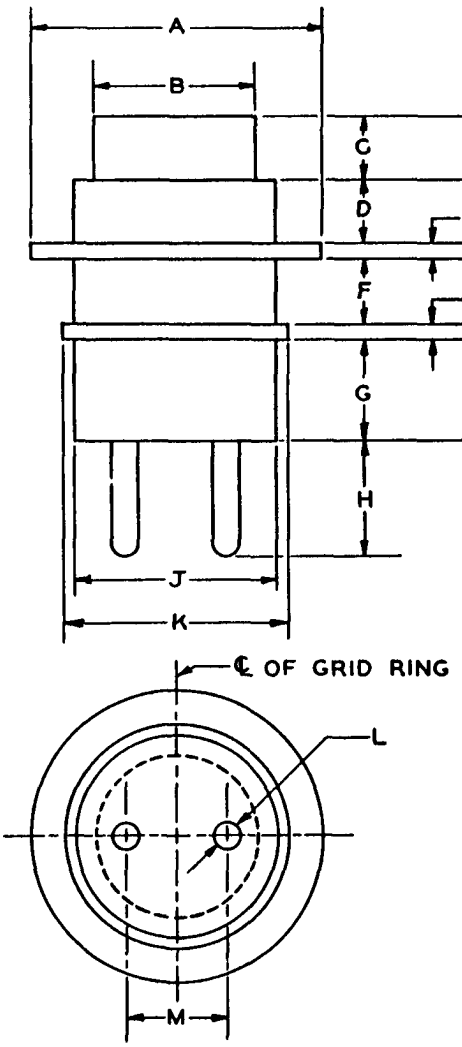
§ Heater current of a bogey tube at Ef = 6.3 volts.

¶ Without external shield.

Ø To be determined.

11/25/64 (B)
Supersedes 4/20/64 (B)

Y-1266



Ref.	Inches		
	Minimum	Nominal	Maximum
A	0.477		0.438
B	0.246		0.254
C	0.092		0.108
D	0.095		0.103
E	0.025		0.031
F	0.094		0.102
G	0.120		0.128
H	0.165		0.185
J	---		0.330
K	0.357		0.363
L	0.048		0.052
M	0.130		0.142

TUBE DEPARTMENT

GENERAL ELECTRIC

Owensboro, Kentucky