2 1115 ROGERS MAJESTIC ELECTRONICS LIMITED

Electronic Tube Division 11-19 Brentcliffe Road Leaside (Toronto 17) Ontario

TECHNICAL DATA FOR RIMA TYPE 6218.

1. Description

The 6218 is a reliable miniature tube in glass construction designed to withstand severe shock. It is a special modulated beam deflection tube for pulse generation up to a frequency of 375 Mc. Although the 6218 was designed primarily for military purpose, it may also be used in a number of other applications where pulse generation is required.

2. Mechanical Data

T6a Envelope

> max. length 2.75" max. diameter 0.88"

9 pin, E9-1 Base

skirted miniature C1-2 Top Cap

Base Connections 90G (see diagram)

500 G Shock Rating

Mounting Position any, but must not be subjected to magnetic fields.

3. Electrical Ratings

Cathode Coating unipotential

Operating Conditions

heater voltage	Eh	6.3 volts
heater current	$I_{\rm h}^{\rm n}$	150 mA
plate voltage	$\mathbf{E_b^n}$	100 volts
grid 1 voltage	Ecl	-6 volts
grid 2 voltage	E _{c2}	70 volts
grid 3 voltage	Ec3	250 volts
deflection plate voltage	E.	120 volts

Interelectrode Capacities (no external shield)

C1 - all	3.0 uuf
D1 - all	3.0 uuf
D2 - all	3,5 uuf
D1 - G1	.075 uuf
D2 - G1	.075 uuf
G1 - G2	0.60 uuf
D1;D2;G2 - P	.025 uuf

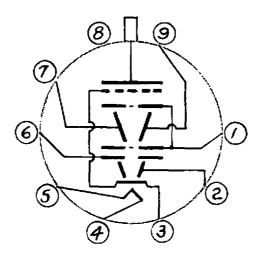
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Absolute Maximum Ratings

cathode current	5.5 mA
deflection plate one	170 volts
deflection plate two	170 volts
peak voltage, deflection plate one	800 volts
peak voltage, deflection plate two	500 volts
plate voltage	330 volts
heater to cathode voltage	50 volts

4. Base Connections

Basing designation for bottom view 9CG



Pin No.	1	2	3	4	5	6	7	8	9	top cap
Connection.	G3	Gl	K G4	H	Ħ	Ģ2	DZ	-	Dl	P

P	collector place
D1, D2	deflection plates
G1	beem plates, internally connected
G2	first split anode, internally connected
G3	second and third split anode, internally connected
G4	suppressor grid, internally connected to cathode
K	cathode
H	heater

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