

*Information Release*

*Tube & Component Division*

*File*

ROGERS MAJESTIC ELECTRONICS LIMITED  
TECHNICAL INFORMATION CENTRE  
LEASIDE (TORONTO 17) ONTARIO

*W. A. ...  
1254*

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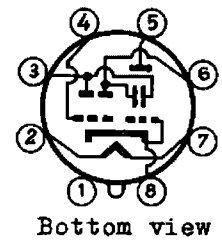
**6 CD 7**

ELECTRON-RAY TUNING INDICATOR with triode unit and two indicating sectors of different sensitivity

PHYSICAL SPECIFICATIONS

|   |                                     |
|---|-------------------------------------|
| Cathode                                     | Coated unipotential                 |
| Base  | Octal 8 pin                         |
| Bulb  | Tubular bulb; diameter 1 3/32" max. |
| Maximum overall length                      | 3 19/32"                            |
| Maximum seated height                       | 3 1/32"                             |
| Maximum diameter                            | 1 3/32"                             |
| Basing connections-JETEC basing designation | 8 EV                                |

Pin 1 - not connected  
 Pin 2 - heater  
 Pin 3 - plate No.1  
           deflection rod No.1  
 Pin 4 - control grid  
 Pin 5 - target  
 Pin 6 - plate No.2  
           deflection rod No.2  
 Pin 7 - heater  
 Pin 8 - cathode



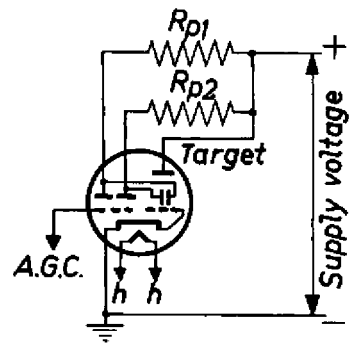
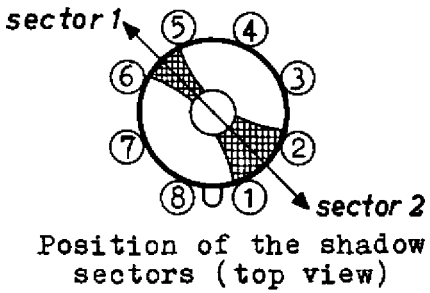
GENERAL ELECTRICAL DATA

|                |           |
|----------------|-----------|
| Heater voltage | 6.3 volts |
| Heater current | 0.2 amp   |

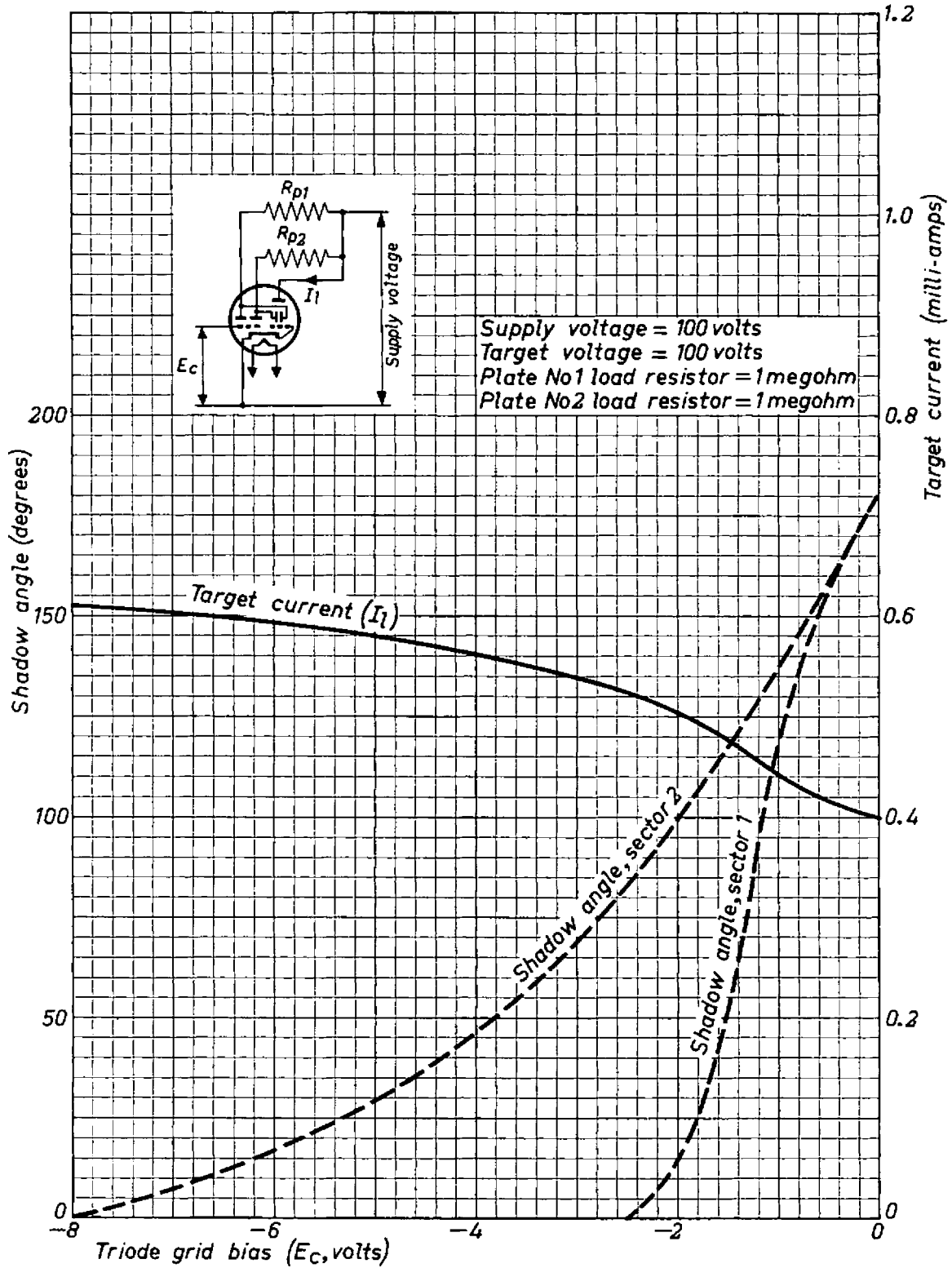
MAXIMUM RATINGS (Design Center Values)

|   |             |
|---|-------------|
| Plate No.1 voltage (cold condition)   | 550 volts   |
| Plate No.1 voltage  | 300 volts   |
| Plate No.2 voltage (cold condition)   | 550 volts   |
| Plate No.2 voltage  | 300 volts   |
| Target voltage (cold condition)   | 550 volts   |
| Target voltage  | 300 volts   |
| Grid current starting point. Grid voltage when grid current is 0.3 $\mu$ amp. | -1.3 volts  |
| Grid circuit resistance   | 3 megohms   |
| Heater-cathode voltage  | 100 volts   |
| External resistance between heater and cathode                                | 20,000 ohms |

OPERATING CHARACTERISTICS

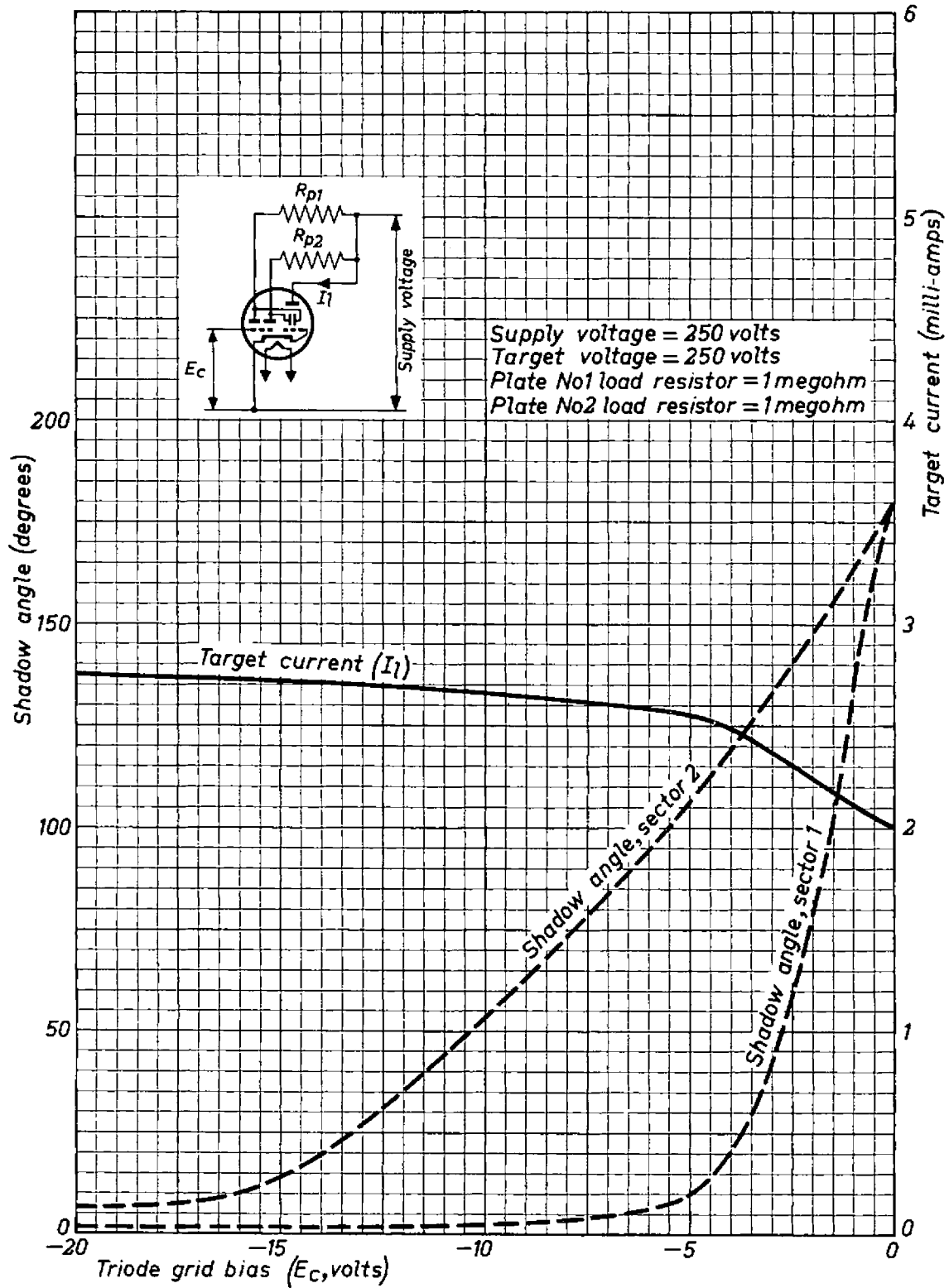


|   |             |       |     |        |
|---|-------------|-------|-----|--------|
| Plate and target supply voltage           | 100         | 200   | 250 | volts  |
| Series resistor of plate No.1             | 1.0         | 1.0   | 1.0 | megohm |
| Series resistor of plate No.2             | 1.0         | 1.0   | 1.0 | megohm |
| Target current                            | approx. 0.4 | 1.4   | 2.0 | mamps  |
| Triode grid voltage<br>(for section No.1) |             |       |     |        |
| for minimum shadow angle                  | -2.5        | -4.2  | -5  | volts  |
| for shadow angle of 180°                  | 0           | 0     | 0   | volt   |
| (for section No.2)                        |             |       |     |        |
| for minimum shadow angle                  | -8          | -12.5 | -16 | volts  |
| for shadow angle of 180°                  | 0           | 0     | 0   | volt   |



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6CD7



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