

Information Release

Tube & Component Division

File

ROGERS MAJESTIC ELECTRONICS LIMITED
TECHNICAL INFORMATION CENTRE

LEASIDE (TORONTO 17) ONTARIO

1254

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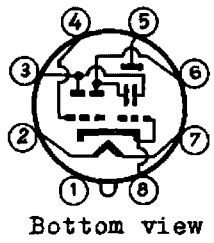
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ELECTRON-RAY TUNING INDICATOR with triode unit and two indicating sectors of different sensitivity

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 μ 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

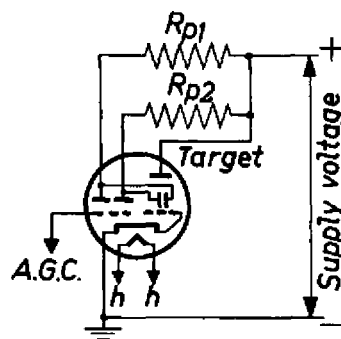
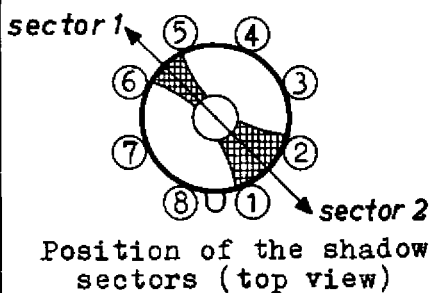
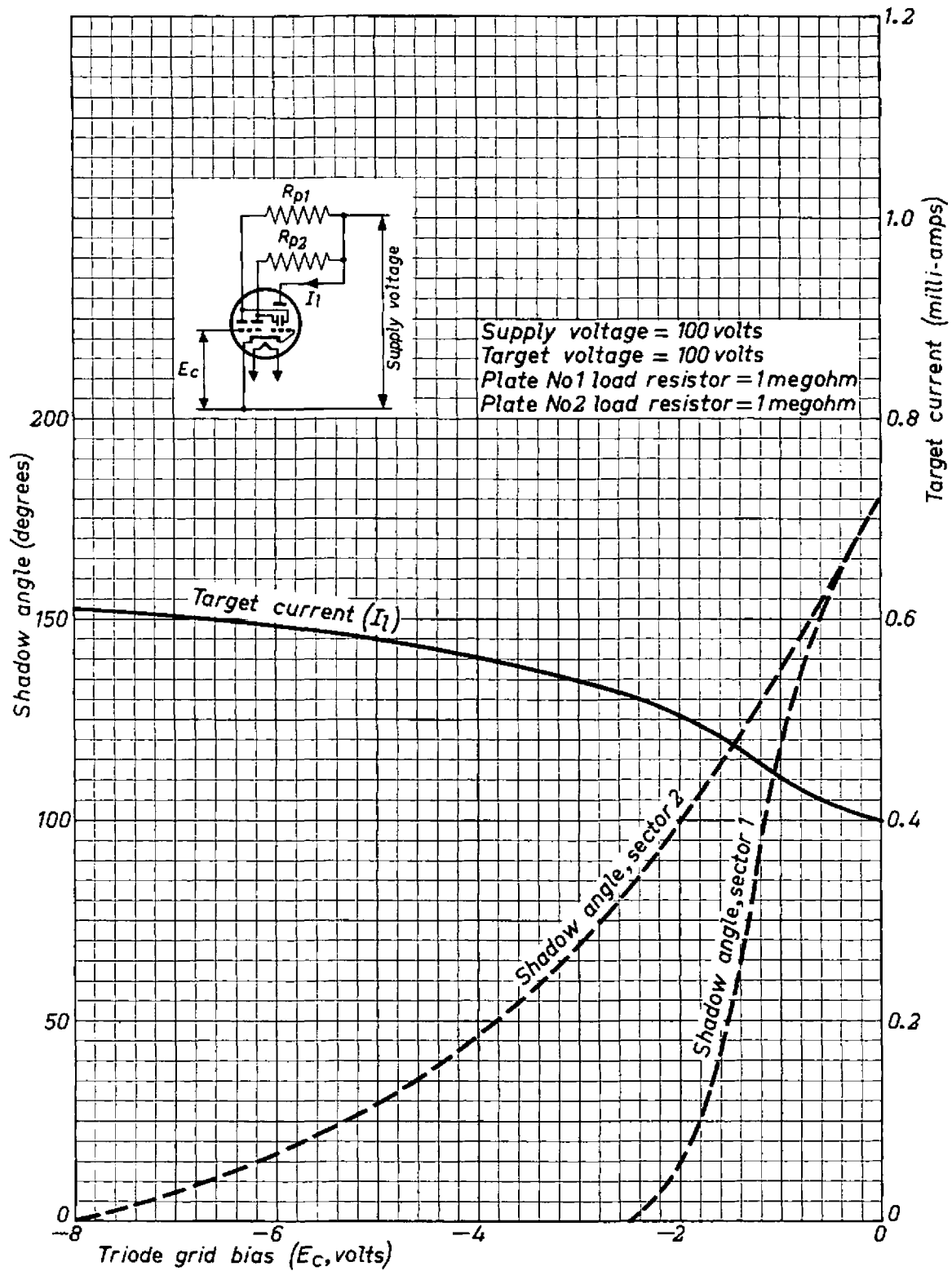


Plate and target supply voltage	100	200	250 volts
Series resistor of plate No.1	1.0	1.0	1.0 megohm
Series resistor of plate No.2	1.0	1.0	1.0 megohm
Target current	approx. 0.4	1.4	2.0 mamps
Triode grid voltage (for section No.1)			
for minimum shadow angle	-2.5	-4.2	-5 volts
for shadow angle of 180°	0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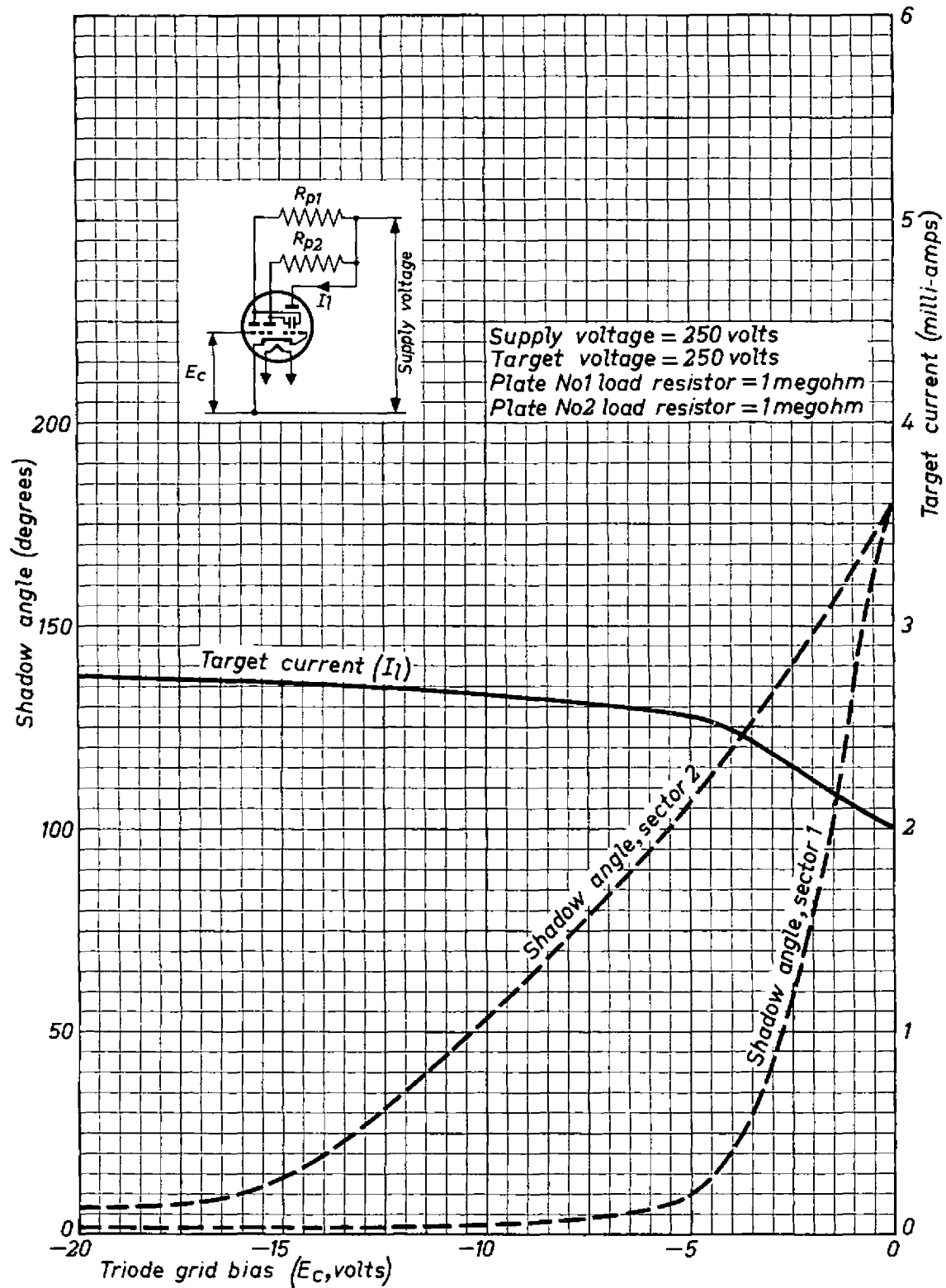
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