

ELECTRONIC TUBE REFERENCE

# M1718GM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**CATHODERAY**

Seventeen-centimeter rectangular monitor CRT with electrostatic focusing, approximately 70-degree magnetic deflection, and an aluminized screen for professional direct-view monitoring.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 7             |
| NOMINAL HEATER      | 6.3 V / 74 mA     | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SECTION1</b> Cathode Ray                                                                                                                         |
| <i>No fixed ratings recorded.</i>                                                                                                                   |
| <i>CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.</i> |

17 cm rectangular monitor tube with 70° Electron Gun Tetrode with Einzel- deflection angle, electrostatic focusing, Lens and aluminized screen Bulb ~ All-Glass Type o, ,339° Deflection Method \_Magnetic = 1 Deflection Angles Diagonal 70° s Screen Phosphor P4 Alu-

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1976 ITT Picture Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1976 ITT PICTURE TUBES

## Section 1 · Cathode Ray

| OTHER                                |                 |                  |
|--------------------------------------|-----------------|------------------|
| PARAMETER                            | PUBLISHED VALUE | CONDITION / NOTE |
| M17                                  | -18 W           | —                |
| Published value                      | 17 cm           | —                |
| Neck Diameter                        | 20 mm           | —                |
| Published value                      | 9 K             | —                |
| Minimum Useful 95 x                  | 125 mm          | —                |
| Dimensions Diagonal                  | 155 mm          | —                |
| N Overall Length                     | 205 mm          | —                |
| 1. RendralRics Weight                | 0.7 kg          | —                |
| M17 -18W Whitish Medium 1073, . (2)  | 10 s            | —                |
| 18 BE Blue Medium Short 107%...      | 1072 %          | —                |
| M17 -18 GM Purplish-Blue Long 10710  | 1 s             | —                |
| M17 -18LF Orange _ Long              | 107–1 s         | —                |
| U @ TV Rel max                       | 1.56 MQ         | —                |
| Ik approx.                           | 74 mA           | —                |
| Ik approx. 74mA Za1 (50 H2) max (2)  | 0.5 MQ          | —                |
| Yasgsa 11 kY Ut emax @               | 110 V           | —                |
| Ug2 200-350 ®                        | 250 V           | —                |
| Ug2 200-350 ® 250 V UL fik p max (2) | 130 V           | —                |
| 1+ 300 -100... +                     | 300 V           | —                |
| Uk cutorr @ 45                       | 32–58 V         | —                |

| PARAMETER                                        | PUBLISHED VALUE | CONDITION / NOTE |
|--------------------------------------------------|-----------------|------------------|
| Uk cutorr @ 45 32... 58V<br>Zek( (2)             | <b>50 HZ</b>    | —                |
| Uk cutorr @ 45 32... 58V<br>Zek(50 HZ) max @ (3) | <b>1 MΩ</b>     | —                |

| CIRCUITDESIGNRATINGS |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Ug:igfia max @       | <b>12 kV</b>    | —                |
| Us3g                 | <b>5 a</b>      | —                |
| Us3g5a min (2)       | <b>7.5 kV</b>   | —                |
| Ug4 max              | <b>450 V</b>    | —                |

| CAPACITANCE                         |                 |                  |
|-------------------------------------|-----------------|------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE |
| {--Uq 0                             | <b>100 V</b>    | —                |
| Ug2 max                             | <b>450 V</b>    | —                |
| Ug2 max 450 V cm “approx.<br>(2)    | <b>6 pF</b>     | —                |
| Ug2 min                             | <b>180 V</b>    | —                |
| Ug2 min 180V - approx. (2)          | <b>3 pF</b>     | —                |
| Uk max                              | <b>100 V</b>    | —                |
| Uk max 100V Cg3g5aim approx.<br>(2) | <b>350 pF</b>   | —                |
| Uk P max                            | <b>350 V</b>    | —                |
| Mi17                                | <b>-18 W</b>    | —                |

## TUBE TINKER

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and their source documents.

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