ELECTRONIC TUBE REFERENCE

M1718BE

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

SECTION1 Cathode Ray

No fixed ratings recorded.

CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.

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

1976 ITT Picture Tubes

SOURCE PDF

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 Zek((2)	**50 HZ**	—
Uk cutorr @ 45 32... 58V Zek(50 HZ) max @ (3)	**1 MQ**	—

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

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