

THOMSON TUBES ELECTRONIQUES

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TH 8529 P53 H404

1/2" MICRO CATHODE RAY TUBE ASSEMBLY

For minimonitors and helmet displays

- plano concave fibre optic faceplate
- phosphor P53 - others available on request (P1, P56....)
- minimum useful screen area 13.6mm diameter
- integrated deflection system
- high voltage electrostatic focusing
- integral electromagnetic shielding - weight saving solution
- weight (wires and connectors not included) of 50g

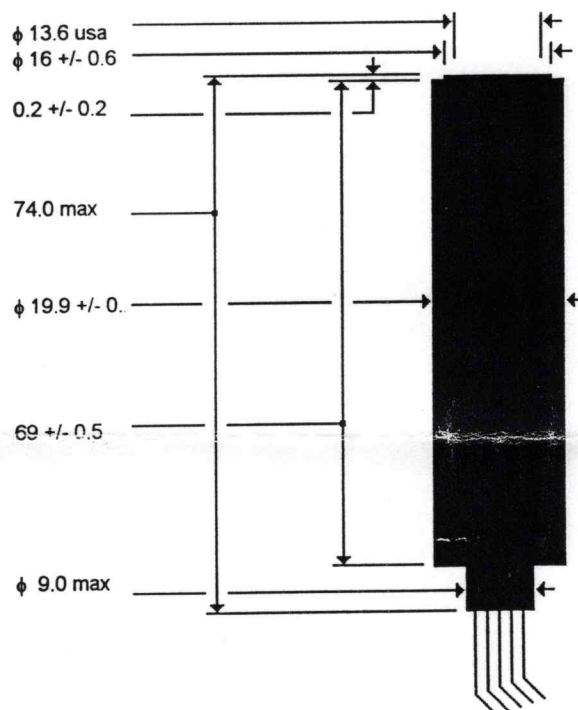
TYPICAL OPERATING CONDITIONS:

heater:	11V / 100 mA
screen voltage VG4:	8.5 kV
focus voltage VG3:	900-1400V
grid 2 voltage VG2:	500-900V
maximum focus current:	45 μ A DC
cut off voltage VG1:	-50V with cathode = 0V
max cathode current:	50uA
deflection coil:	X: 100 μ H / 2.8 ohms
	Y: 140 μ H / 3.0 ohms
sensitivity at 8.5kV:	0.75A per 6.5mm

TYPICAL PERFORMANCES (at screen centre):

In stroke mode:

writing speed:	25 μ m/ μ s @ 50Hz refresh
max peak beam current:	45 μ A @ max drive voltage: 25V
luminance (cd/m ²):	22.000 15.000 4.000
(fL)	6.430 4.390 1.170
linewidth 50% lumin (μ m):	40 29 23



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