

ELECTRONIC TUBE REFERENCE

THX540

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Low-light Esicon camera tube combining image intensification with storage capability for extremely weak scenes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CameraPickup
No fixed ratings recorded.

Low-light-level Esicon camera tube with image intensifier and storage capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · CameraPickup

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	150 mA	—
Intensifier Photocathode Voltage	-25000 V	—
Esicon Photocathode Voltage	-12000 V	—
Output Capacitance	25 pF	—
Limiting Resolution	650 points/line	—
Dynamic Resolution	500 points/line	—
Typical Residual Signal Third Frame	5 percent	—
Overall Sensitivity	2 mA/foot-candle	—