

# TUNG-SOL

## CATHODE RAY

THE 27LP4 IS A DIRECT-VIEW PICTURE TUBE DESIGNED FOR USE IN TELEVISION APPLICATIONS. ITS FEATURES INCLUDE:

<p style="text-align: center;"><b>GREY FILTER FACEPLATE</b>  <b>EXTERNAL CONDUCTIVE COATING</b>  <b>MAGNETIC FOCUS AND DEFLECTION</b>  <b>RECTANGULAR GLASS CONSTRUCTION</b></p>	<p style="text-align: center;"><b>ALUMINIZED SCREEN</b>  <b>UNIPOTENTIAL CATHODE</b>  <b>EXTERNAL SINGLE FIELD ION TRAP</b>  <b>18 15/32" X 23 17/32" RASTER SIZE</b></p>
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### ELECTRICAL DATA

FOCUSING METHOD		MAGNETIC
DEFLECTING METHOD		MAGNETIC
DEFLECTION ANGLE (APPROX.):		
HORIZONTAL	85	DEGREES
DIAGONAL	90	DEGREES
DIRECT INTERELECTRODE CAPACITANCES (APPROX.):		
CATHODE TO ALL OTHER ELECTRODES	5	$\mu\mu f$
GRID #1 TO ALL OTHER ELECTRODES	6	$\mu\mu f$
MAXIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	400	$\mu\mu f$
MINIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	250	$\mu\mu f$

### OPTICAL DATA

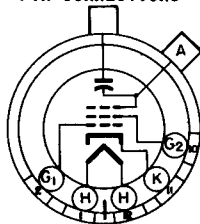
PHOSPHOR NUMBER	NO. 4
FLUORESCENT COLOR	WHITE
PHOSPHORESCENT COLOR	WHITE
PERSISTENCE	MEDIUM

### MECHANICAL DATA

OVERALL LENGTH	24 23/64 $\pm$ 3/8	INCHES
GREATEST DIMENSIONS OF BULB:		
DIAGONAL	26 13/16 $\pm$ 1/4	INCHES
WIDTH	25 9/32 $\pm$ 1/4	INCHES
HEIGHT	20 7/32 $\pm$ 1/4	INCHES
MINIMUM USEFUL SCREEN DIMENSIONS:		
WIDTH	23 17/32	INCHES
HEIGHT	18 15/32	INCHES
BULB CONTACT	RECESSED SMALL CAVITY CAP	J1-21
BASE	SMALL SHELL DUODECAL 5 PIN	B5-57
BASING		12N
BULB CONTACT ALIGNMENT		
		J1-21 CONTACT ALIGNS WITH PIN POSITION #6 $\pm$ 30 DEGREES

### PIN CONNECTIONS

PIN 1 - HEATER  
 PIN 2 - GRID NO. 1  
 PIN 10 - GRID NO. 2  
 PIN 11 - CATHODE



PIN 12 - HEATER  
 ANODE CAP:  
 GRID NO. 3

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MAGNETIC FOCUS AND DEFLECTION	EXTERNAL SINGLE FIELD ION TRAP
RECTANGULAR GLASS CONSTRUCTION	18 15/32" X 23 17/32" RASTER SIZE

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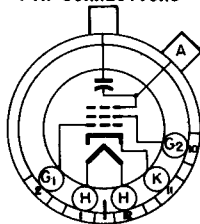
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