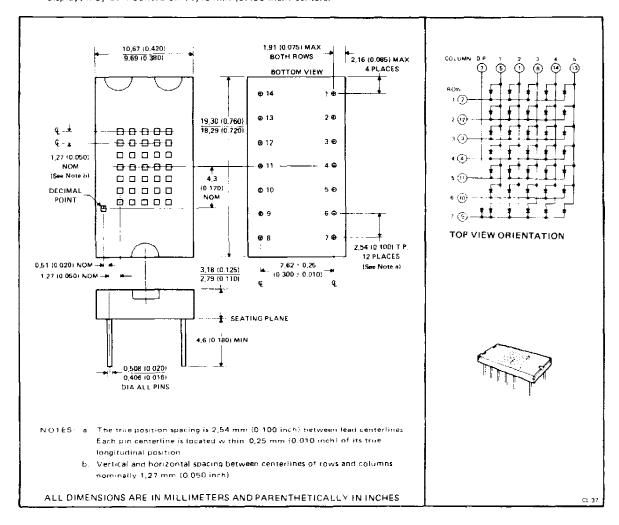
SOLID-STATE DISPLAY WITH RED TRANSPARENT PLASTIC ENCAPSULATION

- 7,62-mm (0,300-inch) Character Height
- High Luminous Intensity
- Low Power Requirements
- Wide Viewing Angle
- 5 X 7 Array with X-Y Select and Decimal
- Compatible with USASCII and EBCDIC Codes

mechanical data

This assembly consists of a display chip mounted on a printed circuit board with a red molded plastic body. Multiple displays may be mounted on 11.43-mm (0.450-inch) centers.





TIL305 5 × 7 ALPHANUMERIC DISPLAY

absolute maximum ratings over operating free-air temperature range (unless otherwise noted) Reverse Voltage at 25°C Free-Air Temperature 3 V Peak Forward Current, Each Diode 100 mA Average Forward Current (see Note 1): Each Diode 10 mA Total 200 mA Operating Free-Air Temperature Range 0° to 70°C Storage Temperature Range -25°C to 85°C

operating characteristics of each diode at 25°C free-air temperature (unless otherwise noted)

	PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
T _u	Luminous Intensity (see Note 2)	IF = 10 mA	40	110		⊭cd
λp	Wavelength at Peak Emission			660		nm
Δ	Spectral Bandwidth			20		nm
٧F	Static Forward Voltage		1.5	1.65	2	V
ave	Average Temperature Coefficient of Static Forward Voltage	F _E = 10 mA, T _A = 0°C to 70 C		-1.4		mV/ C
t _B	Static Reverse Current	V _R = 3 V		10		μА
С	Anode-to-Cathode Capacitance	V _R = 0, f = 1 MHz		80		pF

NOTES: 1 This average value applies for any 1 ms period

2 Eliminous intensity is measured with a light sensor and filter combination that approximates the CFE (International Commission on Illumination) eye-response curve.

TYPICAL CHARACTERISTICS

RELATIVE LUMINOUS INTENSITY

FREE-AIR TEMPERATURE

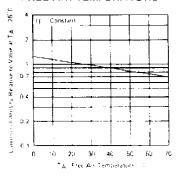


FIGURE 1

RELATIVE LUMINOUS INTENSITY

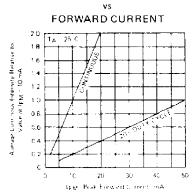


FIGURE 2

FORWARD CONDUCTION CHARACTERISTICS

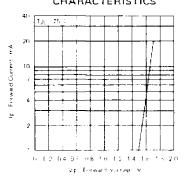


FIGURE 3

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