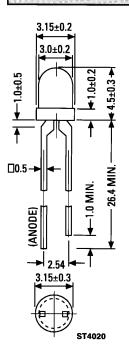


PURE GREEN **HLMP-K600** TINTED PURE GREEN **HLMP-K640** CLEAR SOFT ORANGE **HLMP-K400** TINTED **SOFT ORANGE HLMP-K401 TINTED SOFT ORANGE HLMP-K402 TINTED**

PACKAGE DIMENSIONS



- NOTES:
 1. ALL DIMENSIONS ARE IN MM. 2. LEAD SPACING IS MEASURED
- WHERE THE LEADS EMERGE FROM THE PACKAGE. 3. PROTRUDED RESIN UNDER THE FLANGE IS 1.5 mm (0.059")

DESCRIPTION

These T-1 LEDs are widely used as general purpose indicators. The pure green lamps are made with a GaP LEDs on a GaP substrate. The soft orange are made with GaAsP LEDs on a GaP substrate. They are encapsulated in epoxy packages and are designed to provide superior light output and a wide viewing angle.

FEATURES

- Popular T-1¾ package.
- Low drive current.
- Solid state reliability.
- Wide viewing angle.
- Choice of pure green or soft orange colors.

ABSOLUTE MAXIMUM RATING (T _A =25°C Un	less Otherwise Specified)
DC forward current (I _t)	
Operating temperature range	-40°C to +85°C
Storage temperature range	-40°C to +100°C
Lead soldering time	5 seconds @ 260°C
(at $\frac{1}{16}$ inch from the bottom of lamp)	
Peak forward current (I _i)	
(at f=1.0 KHz, Duty factor= 1/10)	
Power dissipation (P _d)	· · · · · · · · · · · · · · · · · · ·
Recommended operating current (I, Rec)	



PART NUMBER HLMP-	K600	K640*	K400	K401	K402	TEST CONDITIONS
Luminous intensity (mcd)						I _F =10 mA
minimum	1.0	4.2	1.0	2.0	3.0	
typical	4.5	30	4.0	5.0	6.5	
Forward voltage (V _F)						I _F =10 mA
minimum			1.5	1.5	1.5	
typical	2.1	2.2	1.9	1.9	1.9	
maximum	2.7	3.0	2.4	2.4	2.4	
Peak wavelength (nm)	560	560	612	612	612	I _F =10 mA
Spectral line half width (nm)	24	24	40	40	40	I _F =10 mA
Reverse breakdown voltage (V _R)	5	5	5	5	5	$I_F = 100 \ \mu A$
Viewing angle (°)	90	45	90	90	90	I _F =10 mA

