



HERCULES™ 4.0" (101.6mm) LED DIGITAL DISPLAYS

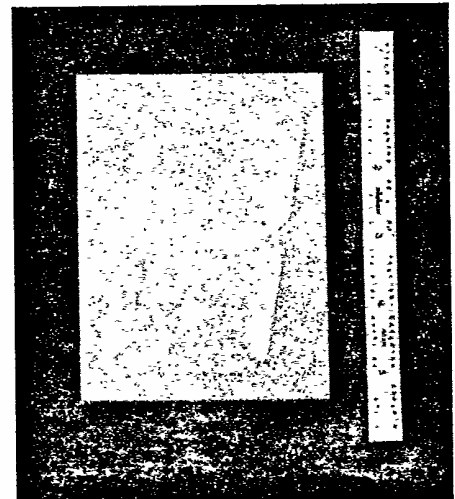
LR4171E
LR4172E

FEATURES

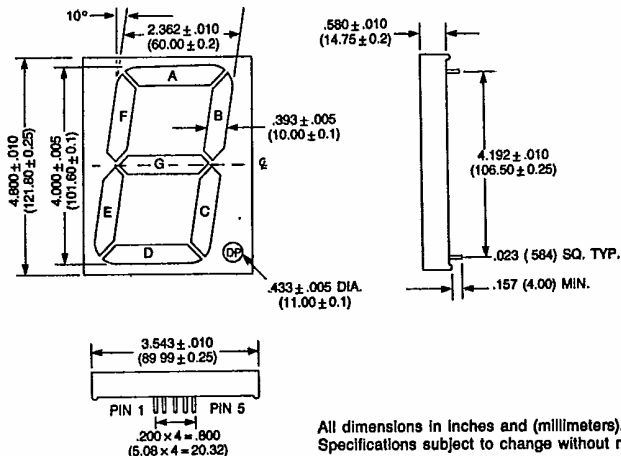
- 4.0 inch character height (101.6mm)
- Viewing distance 100 feet
- High performance nitrogen-doped GaAsP on GaP
- Evenly lighted segments
- Wide viewing angle

SELECTION GUIDE

PART NUMBER	SOURCE COLOR	DESCRIPTION	LUMINOUS INTENSITY (mcd @ 20mA)	
			MIN.	TYP.
LR4171E	Orange	Common Cathode	1.4	2.0
LR4172E	Orange	Common Anode	1.4	2.0



MECHANICAL SPECIFICATIONS



PIN FUNCTIONS

PIN	LR4171E	LR4172E
1	Common Cathode	Common Anode
2	Anode E	Cathode E
3	Anode D	Cathode D
4	Anode C	Cathode C
5	Anode DP	Cathode DP
6	Anode B	Cathode B
7	Anode A	Cathode A
8	Common Cathode	Common Anode
9	Anode F	Cathode F
10	Anode G	Cathode G

ABSOLUTE MAXIMUM RATINGS

PARAMETER	RATING
Peak forward current*	1.0A
Reverse voltage per segment	V _R = 3V
Storage and operating temperature	-25 to +85°C
Average forward current	30mA

*1μsec pulse 0.3% duty cycle.

ELECTRO-OPTICAL CHARACTERISTICS (T_a = 25°C)

PARAMETER	MIN	TYP	MAX	UNIT	CONDITIONS
Forward voltage		8.4 4.2	12.0 6.0	V	I _F = 20mA (Seg) I _F = 20mA (Dp)
Peak emission wavelength		635		nm	I _F = 10mA
Reverse current (Seg) (Dp)			0.1 0.1	mA	V _R = 20V V _R = 10V
Luminous intensity	1.4	2.0		mcd	I _F = 20mA