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DATA SHEET

PART NO. : A-522E

REV : A / 1

CUSTOMER'S APPROVAL : _____

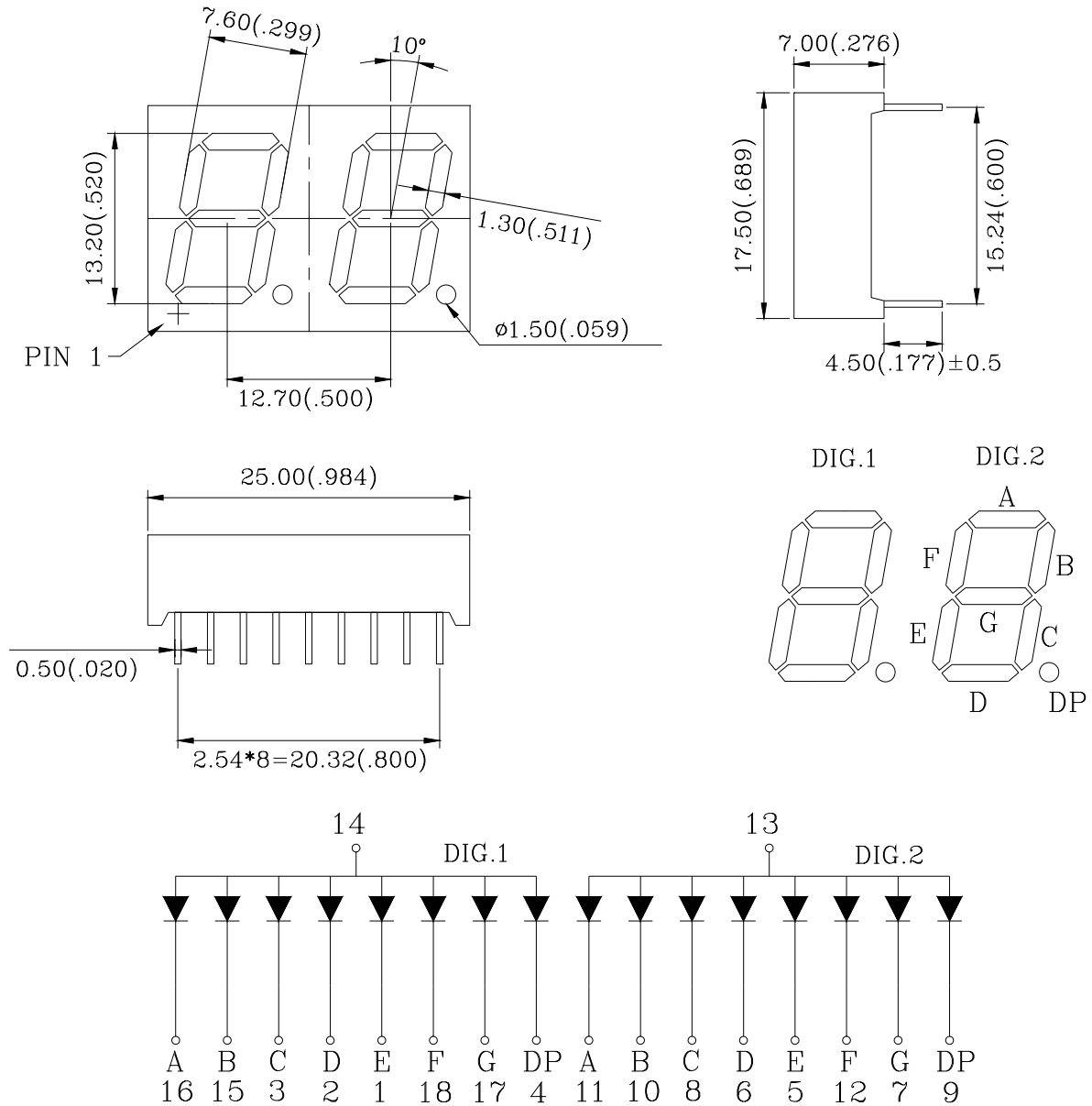
DCC : _____

DRAWING NO. : DS-12-03-0002

DATE : 2003-08-01

Page : 1

PACKAGE DIMENSIONS



NOTES : 1. All dimensions are in millimeters. (inches)
2. Tolerance is $\pm 0.25(0.010)$ " unless otherwise specified.

FEATURES

- * 13.20mm (0.52 inch) DIGIT HEIGHT
- * EXCELLENT CHARACTER APPEARANCE
- * COMMON ANODE
- * I.C. COMPATIBLE
- * LOW POWER CONSUMPTION

Raw Material : GaAsP/GaP

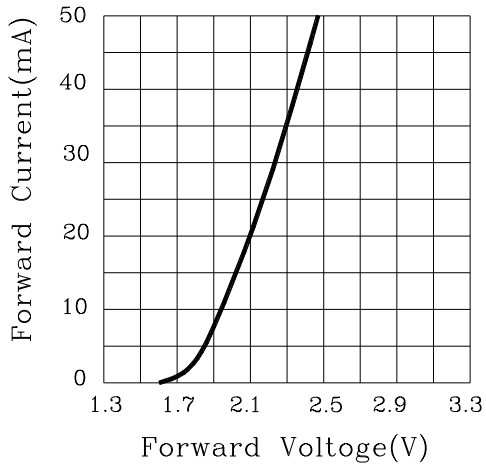
ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	HI.EFFI RED	UNIT
PAD	Power Dissipation Per Segment	75	mW
VR	Reverse Voltage Per Segment	5	V
IAF	Continuous Forward Current Per Segment	25	mA
IPF	Peak Forward Current Per Segment (Duty – 0.1,1KHz)	100	mA
–	Derating Linear From 25°C Per Segment	0.33	mA/°C
Topr	Operating Temperature Range	–35°C to 85°C	
Tstg	Storage Temperature Range	–35°C to 85°C	
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 250°C			

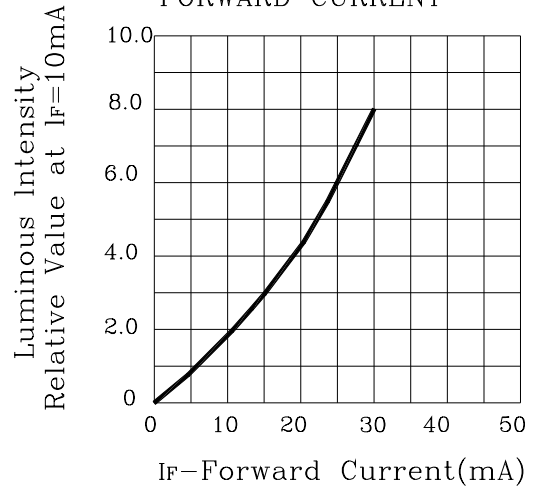
ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25°C)

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage , Per Segment	IF = 20mA		2.1	2.8	V
IR	Reverse Current , Per Segment	VR = 5V			100	µA
λP	Peak Emission Wavelength	IF = 20mA		632		nm
λD	Dominant Wavelength	IF = 20mA		622		nm
Δλ	Spectral Line Half – Width	IF = 20mA		35		nm
IV	Luminous Intensity Per Segment	IF = 10mA		2.0		mcd

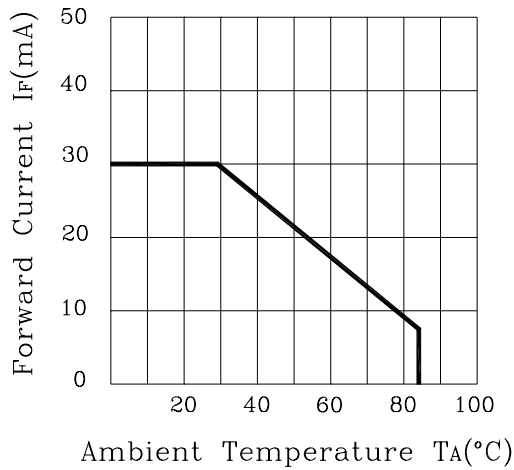
FORWARD CURRENT Vs.
FORWARD VOLTAGE



LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

