imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

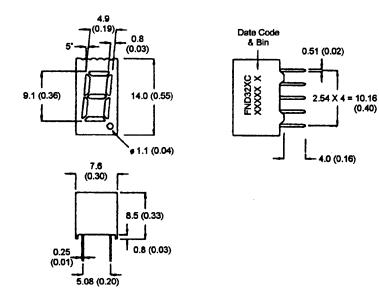
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





S/H AlGaAs Red FND320C, FND327C, and FND328C (UP-GRADE FOR THE FND35XC and FND36XC)

PACKAGE DIMENSIONS



FEATURES

Easy to read digits. Common anode or cathode. Low power consumption. Bold segments that are highly visible. High brightness with high contrast White segments on a grey face. Directly compatible with integrated circuits.

Rugged plastic/epoxy construction.

APPLICATIONS

Digital readout displays. Instrument panels.

NOTES: Dimensions are in mm (inch). All pins are 0.5 (0.02) diameter Tolerances are ± 0.25 (0.1) unless otherwise noted.

MODEL NUMBERS

Part number Color Description FND320C S/H AlGaAs Red 1 Digit, Common Anode, Rt. Hand Decimal S/H AlGaAs Red 1 Digit, Common Cathode, Rt Hand Decimal. **FND327C** Overflow, Common Cathode, Rt Hand Decimal. **FND328C** S/H AlGaAs Red (For other color options, contact your local area Sales Office)

(0.40)



ABSOLUTE MAXIMUM RATING (TA=25°C unless otherwise specified)

	AlGaAs Red FND32XC		
Part number		Units	
Continuous forward current (I _f)			
Per Segment	30	mA	
Peak forward current per die (I _f) (at f = 10.0 KHz, Duty factor = 1/10)	200	mA	
Power dissipation (P _p)	100*	mW	
*Derate Linearly from 25°C	0.50	mW/°C	
Reverse voltage per dice		5V	
Operating and Storage temperature range			
Lead soldering time (at 1/16 inch from the bottom of lamp)			

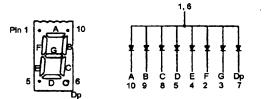
ELECTRO - OPTICAL CHARACTERISTICS ($T_A = 25^{\circ}C$ unless otherwise specified)

	AlGaAs Red FND	
	32XC	Test
<u>Part number</u>		Condition
Luminous intensity (ucd)		
minimum	1500	l, = 20 mA
typical	3000	l, = 20 mA
Forward voltage (V,)		
typical	1.8	l, = 20 mA
maximum	2.5	l, = 20 mA
Peak wavelength (nm)	660	l, = 20 mA
Spectral line half width (nm)	30	l, = 20 mA
Reverse breakdown voltage (V _R)	5	l _s =100 uA

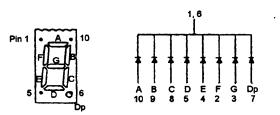


PINOUT

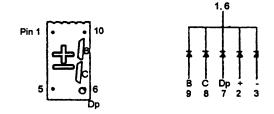
FND320C - Common Anode



FND327C - Common Cathode

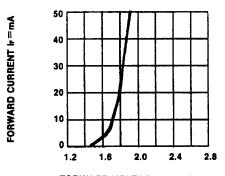


FND328C - Overflow, Common Cathode

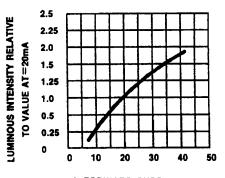


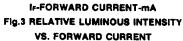


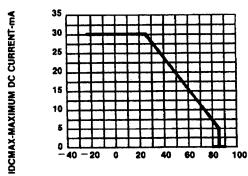
GRAPHICAL DETAIL: AIGaAs Red (T_A = 25°C unless otherwise specified)

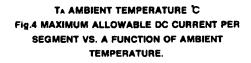


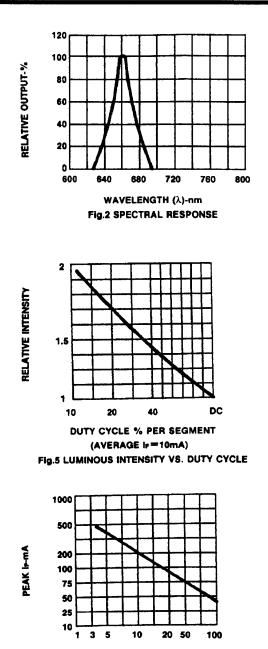


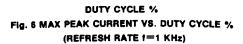














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- 2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.