



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

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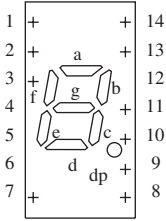
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



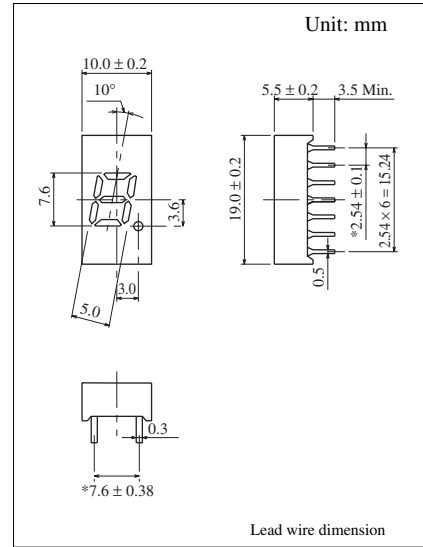
1 Digit 7.6 mm (.3") Series

Conventional Part No. Global Part No. Lighting Color
 LN513RA LNM213AA01 Red
 LN513RK LNM213KA01 Red
 LN513GA LNM313AA01 Green
 LN513GK LNM313KA01 Green

Terminal Connection



Pin No.	Assignment	Assignment
1	Cathode a	Anode a
2	Cathode f	Anode f
3	Common Anode	Common Cathode
4	_____	_____
5	_____	_____
6	_____	_____
7	Cathode e	Anode e
8	Cathode d	Anode d
9	Cathode dp	Anode dp
10	Cathode c	Anode c
11	Cathode g	Anode g
12	_____	_____
13	Cathode b	Anode b
14	Common Anode	Common Cathode



Lead wire dimension

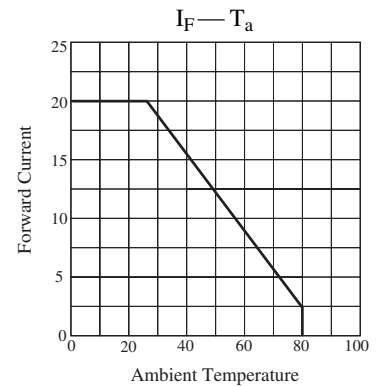
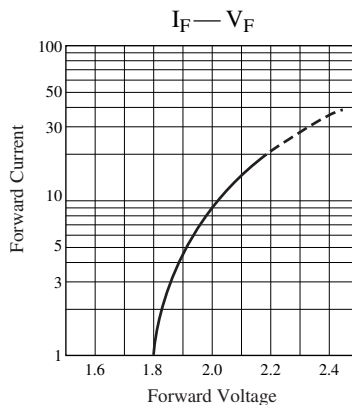
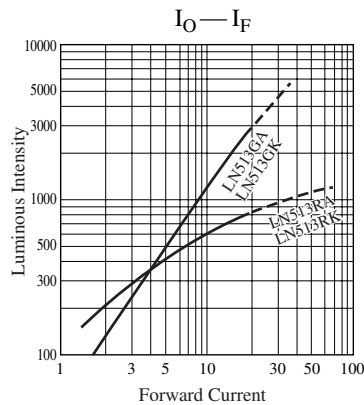
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Lighting Color	P_D (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{opr} ($^\circ\text{C}$)	T_{stg} ($^\circ\text{C}$)
Red	60	20	100	5	-25 ~ +80	-30 ~ +85
Green	60	20	100	5	-25 ~ +80	-30 ~ +85

Pulse width 1 msec. The condition of I_{FP} is duty 10%, Pulse width 1 msec

Electro-Optical Characteristics ($T_a = 25^\circ\text{C}$)

Conventional Part No.	Lighting Color	Common	I_O / seg		I_O / d.p	I_F	V_F		λ_p	$\Delta\lambda$	I_F	I_R	
			Typ	Min			Typ	Typ				Max	Max
LN513RA	Red	Anode	400	150	150	5	2.2	2.8	700	100	20	10	5
LN513RK	Red	Cathode	400	150	150	5	2.2	2.8	700	100	20	10	5
LN513GA	Green	Anode	1200	400	400	10	2.2	2.8	565	30	20	10	5
LN513GK	Green	Cathode	1200	400	400	10	2.2	2.8	565	30	20	10	5
Unit	—	—	μcd	μcd	μcd	mA	V	V	nm	nm	mA	μA	V



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