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Panasonic Electronic Components LN513RA

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## Distributor of Panasonic Electronic Components: Excellent Integrated System Limited Datasheet of LN513RA - LED 1 DIGIT RED COMMON ANODE

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

### **Numeric Display**

## 1 Digit 7.6 mm (.3") Series

 Conventional Part No.
 Global Prat No.
 Lighting Color

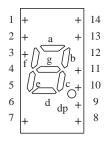
 LN513RA
 LNM213AA01
 Red

 LN513RK
 LNM213KA01
 Red

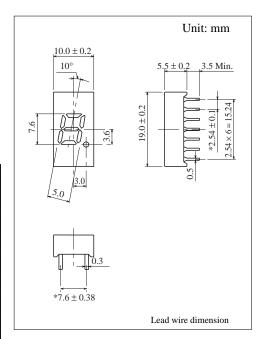
 LN513GA
 LNM313AA01
 Green

 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					



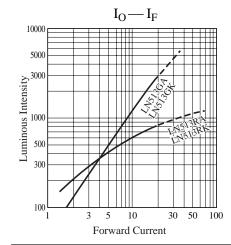
#### ■ Absolute Maximum Ratings $(T_a = 25^{\circ}C)$

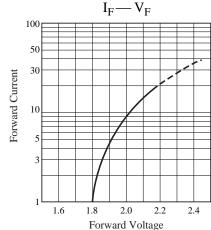
Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	$V_R(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
Red	60	20	100	5	<b>−25 ~ +80</b>	<b>−</b> 30 ~ <b>+</b> 85
Green	60	20	100	5	<b>−25 ~ +80</b>	<b>−</b> 30 ~ <b>+</b> 85

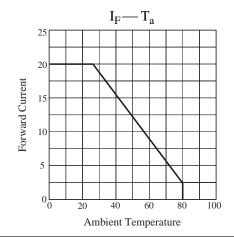
Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

#### ■ Electro–Optical Characteristics (T<sub>a</sub> = 25°C)

Conventional	Lighting	Common	I <sub>O</sub> / seg I <sub>O</sub> /d.p		V <sub>F</sub>		λ <sub>P</sub> Δλ			I <sub>R</sub>			
Part No.	Color	Common	Тур	Min	Тур	I <sub>F</sub>	Тур	Max	Тур	Тур	I <sub>F</sub>	Max	V <sub>R</sub>
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	μΑ	V







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