

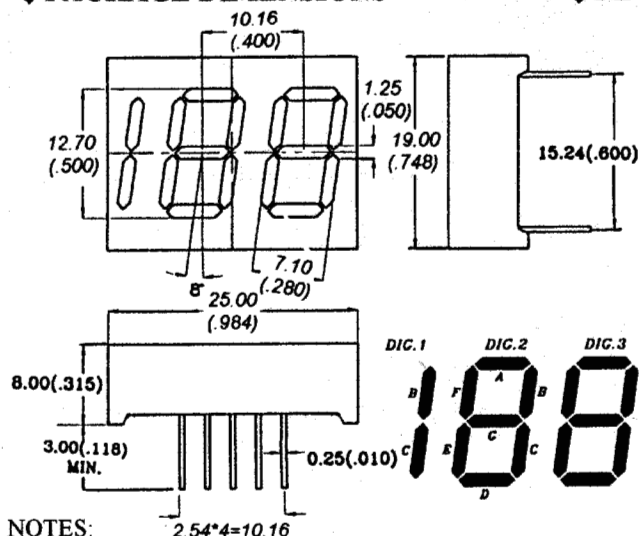
C/A-503X-3A series ...

12.70mm(0.5inch) DUAL & HALF DIGITS DISPLAY

MAIN FEATURES ;

- ⊙ 12.70mm(0.5inch) HIGH CHARACTER
- ⊙ EXCELLENT CHARACTER APPERARANCE
- ⊙ COMMON CATHODE AND COMMON ANODE
- ⊙ I.C. COMPATABLE
- ⊙ LOW POWER CONSUMPTION

◆PACKAGE DIMENSIONS

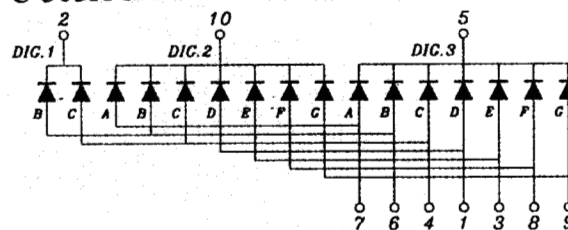


NOTES:

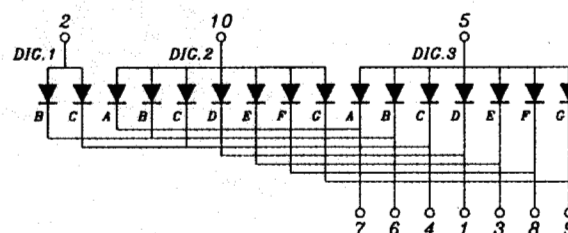
1. All Dimension are in millimeter(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.010\text{'})$ unless otherwise specified.

◆PIN CONNECTION AND INTERNAL CIRCUIT

C-503X-3A



A-503X-3A



◆SELECTION GUIDE AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Remark 1 Selection of Sur/Seg Color	Chip Raw Material	Emitted Color	C.C. or C.A.	Wave Length λ p(nm)	Absolute Maximun Ratings					Electro-Optical Characteristics					Re- mark 2
						$\Delta\lambda$	Pd	If	If	Vf(V)	Min.	Typ.	Max.	If	Iv(μ cd)	
C-503R-3A	GW,BW,BR,RR	GaAsP	Red	Common Cathode	655	40	110	40	200	1.5	1.7	2.0	10~20	200	500	
C-503H-3A	GW,BW,BR,RR	GaP	Bright Red		700	90	45	15	50	1.7	2.1	2.8	5~10	300	650	
C-503E-3A	GW,BW,BR,RR	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	750	2000	
C-503G-3A	GW,BW,GGn	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	750	2000	
C-503Y-3A	GW,BW,GY	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	700	1600	
C-503I-3A	GW,BW,BR,RR	GaAlAs	Hi. effi Red		625	20	60	20	160	1.6	1.8	2.1	10~20	2000	6000	
C-503SR-3A	GW,BW,BR,RR	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	5600	21000	
A-503R-3A	GW,BW,BR,RR	GaAsP	Red	Common Anode	655	40	110	40	200	1.5	1.7	2.0	10~20	200	500	
A-503H-3A	GW,BW,BR,RR	GaP	Bright Red		700	90	45	15	50	1.7	2.1	2.8	5~10	300	650	
A-503E-3A	GW,BW,BR,RR	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	750	2000	
A-503G-3A	GW,BW,GGn	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	700	1600	
A-503Y-3A	GW,BW,GY	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	700	2000	
A-503I-3A	GW,BW,BR,RR	GaAlAs	Hi. effi Red		625	20	60	20	160	1.6	1.8	2.1	10~20	2000	6000	
A-503SR-3A	GW,BW,BR,RR	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	5600	21000	

Remark 1 : Selection of Surface color & Segment color

GW : Grey surface & White segment

BW : Black surface & White segment

BR : Black surface & Red segment

RR : Red surface & Red segment

GGn : Grey surface & Green segment

BGn : Black surface & Green segment

GY : Grey surface & Yellow segment

BY : Black surface & Yellow segment

*****Please indicate Surface Color & Segment Color when place order or request samples. *****

For example : A-503G-3A GW is 0.5 inch Dual & Half Digits display Grey Surface & White Segment.

Normally, GW (Grey surface & White segment) is standard product.

◆ABSOLUTE MAXIMUN RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current(Vr = 5V)	: 10 μ A
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature	: 260°C for 5 Seconds
(1.6mm(1/16inch) from body)	

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

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta\lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10,@KHz)	If(Peak)	mA
Recommended Operation Current	If(Rec)	mA
Average Luminous intensity (If = 10mA)	Iv	mcd