

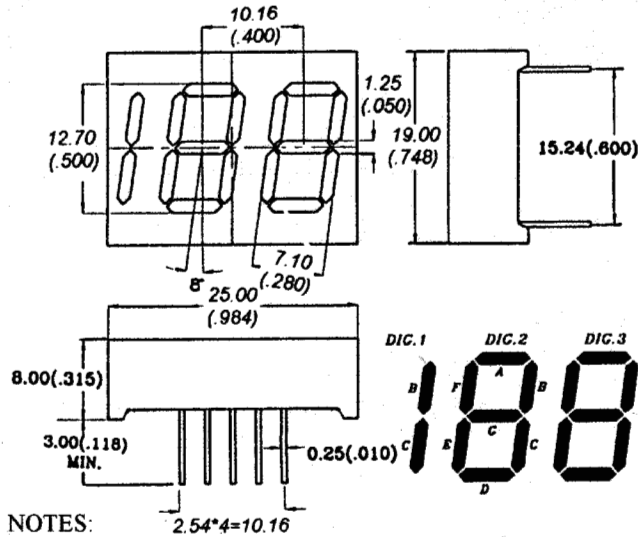
C/A-503X-3A series ...

12.70mm(0.5inch) DUAL & HALF DIGITS DISPLAY

MAIN FEATURES :

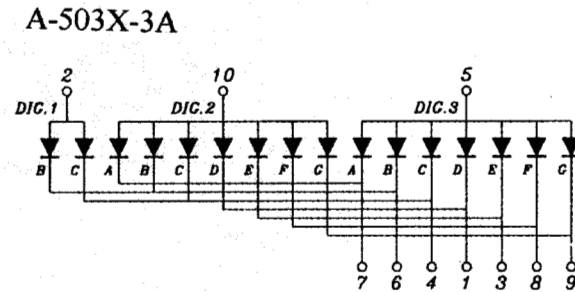
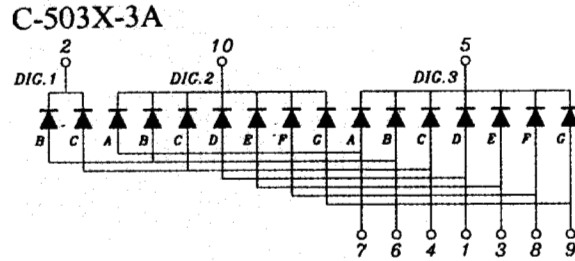
- ⊙ 12.70mm(0.5inch) HIGH CHARACTER
- ⊙ EXCELLENT CHARACTER APPEARANCE
- ⊙ COMMON CATHODE AND COMMON ANODE
- ⊙ I.C. COMPATIBLE
- ⊙ LOW POWER CONSUMPTION

◆ 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



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

Part No.	Remark 1 Selection of Sur/Seg Color	Chip Raw Material	C.C. or C.A.	Wave Length λ (nm)	Absolute Maximun Ratings			Electro-Optical Characteristics					Re- mark 2		
					$\Delta\lambda$ (nm)	Pd (mW)	If (mA)	If (Peak)	Vf (V) Min.	Vf (V) Typ.	Vf (V) Max.	If (Rec)		Iv (μ cd) Min.	Iv (μ cd) Typ.
C-503R-3A	GW,BW,BR,RR	GaAsP	Red	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	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 | GGn : Grey surface & Green segment |
| BW : Black surface & White segment | BGn : Black surface & Green segment |
| BR : Black surface & Red segment | GY : Grey surface & Yellow segment |
| RR : Red surface & Red 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 MAXIMUM 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 Luminuous intensity (If = 10mA)	Iv	mcd