



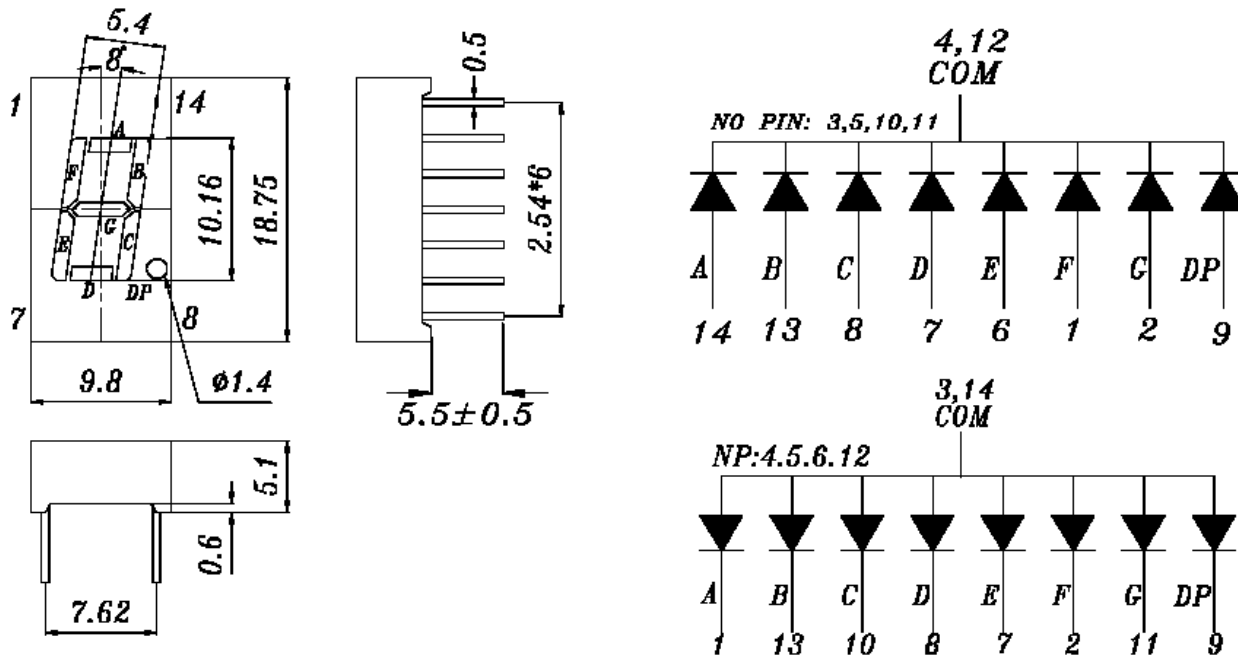
American Opto Plus LED C/A401X

10.16mm(0.40") SINGLE DIGIT DIDPLAY

MAIN FEATURES:

- ⊙ 0.40 inch (10.16mm) digit height
- ⊙ Low power consumption.
- ⊙ Exellent character appearance.
- ⊙ Case mold type.

PACKAGE DIMENSIONS



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

Part No.	Chip		Wave Length λ_p (nm)	Absolute Maximum Ratings				Electro-Optical Characteristics					
	Raw Material	Emitted Color		λ nm	Pad mW	I _{af} mA	I _{pf} (Peak)	V _f (V)			I _f (Rec)	I _v (μ cd)	
								Min.	Typ.	Max.		Min.	Typ.
C/A401LB	GsiC	Blue	470	30	72	20	120		3.6				5000
C/A401B	GSiC	Blue	430	30	72	20	120		3.6				800
C/A401H	GaP/GaP	H. Red	695	45	100	20	120	1.8	2.1	2.6	10	500	1000
C/A401A	GaAsP/GaP	AMBER	610	45	100	30	160	1.7	2.0	2.8	10-20	700	2000
C/A401E	GaAsP/GaP	Hi-effi Red	635	45	100	30	160	1.7	2.0	2.8	10-20	700	2000
C/A401G	GaP	Green	565	30	100	30	160	1.7	2.1	2.8	10-20	700	1900
C/A401PG	GaP	P.Green	555	30	100	30	160	1.7	2.1	2.8	10-20	600	1800
C/A401SG	GaP	S. Green	565	30	100	30	160	1.7	2.1	2.8	10-20	1900	3500
C/A401Y	GaAsP/GaP	Yellow	585	30	100	30	160	1.7	2.1	2.8	10-20	700	2000
C/A401SY	GaAsP/GaP	S. Yellow	585	30	100	30	160	1.7	2.1	2.8	10-20	2000	4000
C/A401SR	GaAlAs	Super Red	660	20	60	20	160	1.6	1.8	2.1	10-20	5000	20000

ABSOLUTE MAXIMUM RATING: (Ta=25°C)

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Reverse Voltage	: 5 Volt
Reverse Current (V _r =5V)	: 100 μ A
Operating Temperature Range	: -40°C ~ +85°C
Storage Temperature Range	: -40°C ~ +100°C
Soldering Temperature	: 240 ~ 250 for 5 seconds.
Preheating Temperature	: 100 ~ 150 for 2 minutes.

Para meter Description	Symbol	Unit
Spectral Line half-width	λ	nm
Power dissipation	Pd	mW
Peak Forward Current (Duty 1/10, @KHz)	I _f (Peak)	mA
Recommended Operation Current	I _f (Rec)	mA
Average Luminous intensity (I _f =10mA)	I _v	μ cd