

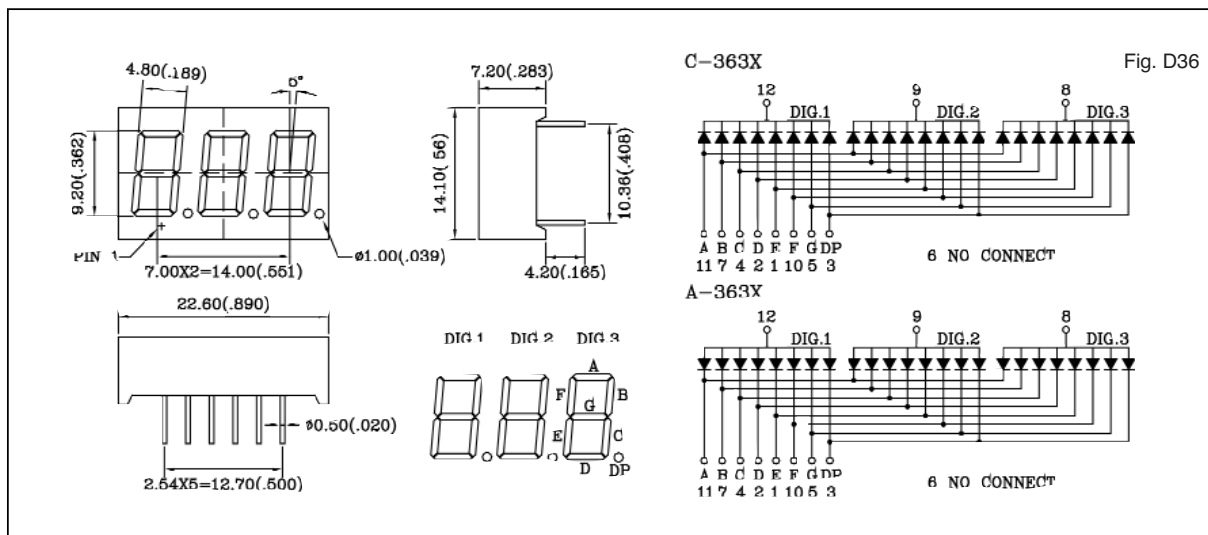
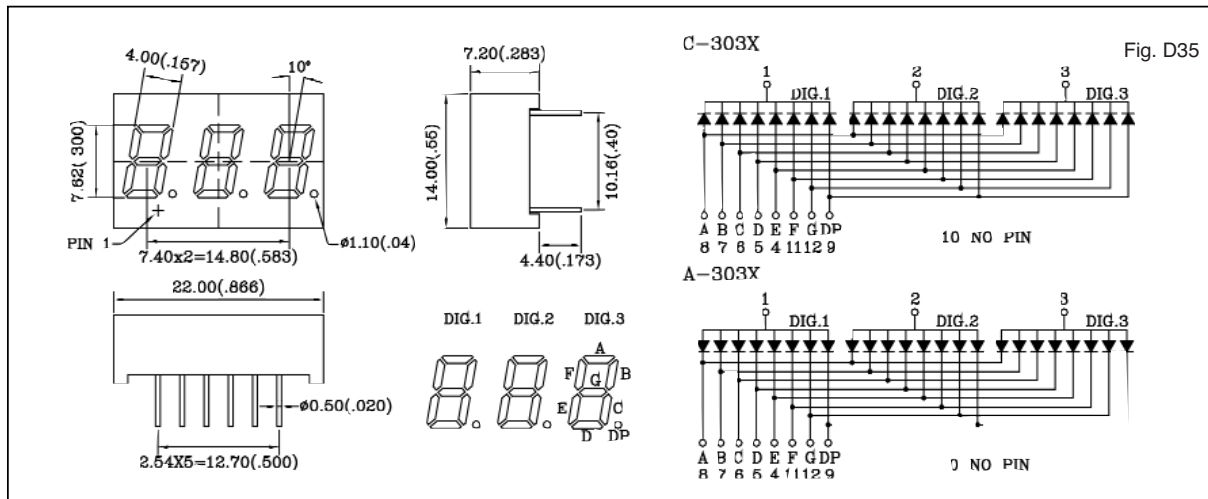




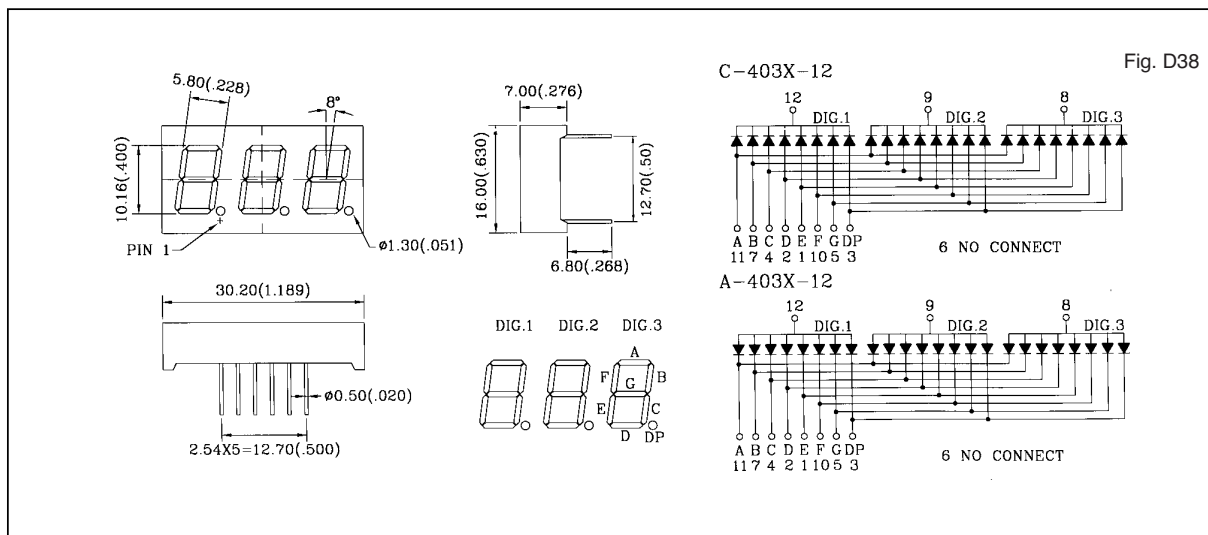
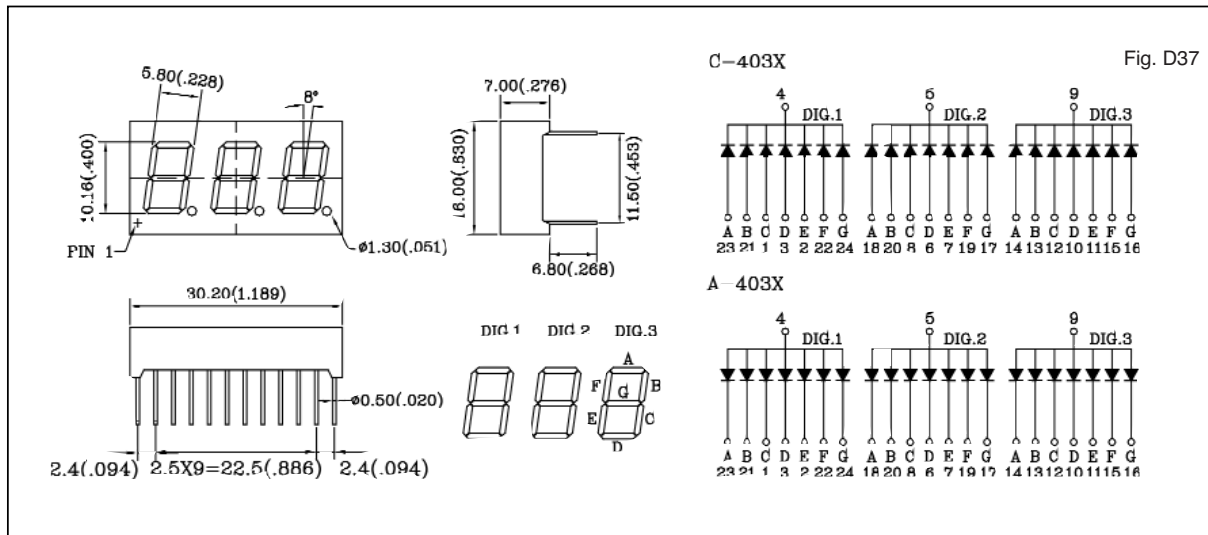
Shape	Part No.		Chip		Wave Length λ p(nm)	Electro-Optical Characteristics			Fig.No.
	Common Cathode	Common Anode	Raw Material	Emitted Color		Vf(V)20mA		Iv(ucd)10mA	
						Typ.	Max.	Typ.	
	C-303H	A-303H	GaP	Red	700	2.3	2.8	550	D35
	C-303E	A-303E	GaAsP/GaP	Hi. effi Red	635	2.1	2.8	1800	
	C-303G	A-303G	GaP	Green	565	2.2	2.8	1600	
	C-303Y	A-303Y	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-303SR	A-303SR	GaAlAs	Super Red	660	1.8	2.2	5000	
	C-363H	A-363H	GaP	Red	700	2.3	2.8	550	D36
	C-363E	A-363E	GaAsP/GaP	Hi. effi Red	635	2.1	2.8	1800	
	C-363G	A-363G	GaP	Green	565	2.1	2.8	1600	
	C-363Y	A-363Y	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-363SR	A-363SR	GaAlAs	Super Red	660	1.8	2.2	5000	
	C-363UB	A-363UB	GaInN/GaN	Super Blue	462	3.5	4.0	6500	



1. All dimension are in millimeters (inches).
2. Tolerance is ± 0.25 mm (0.01") unless otherwise specified.

C/A-403X, C/A-403X-12 THREE DIGITS DISPLAY

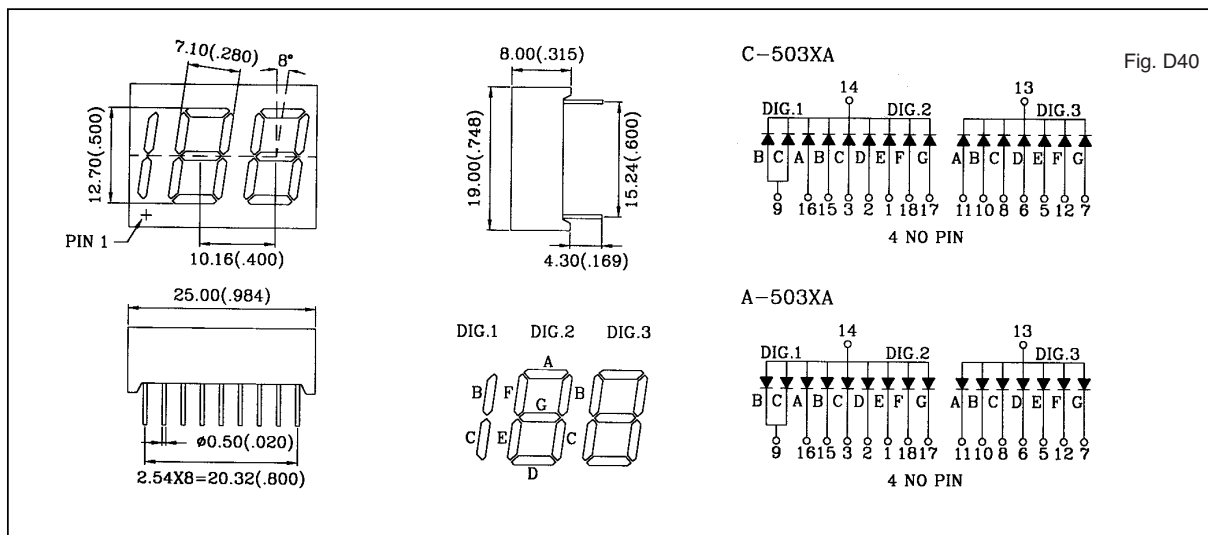
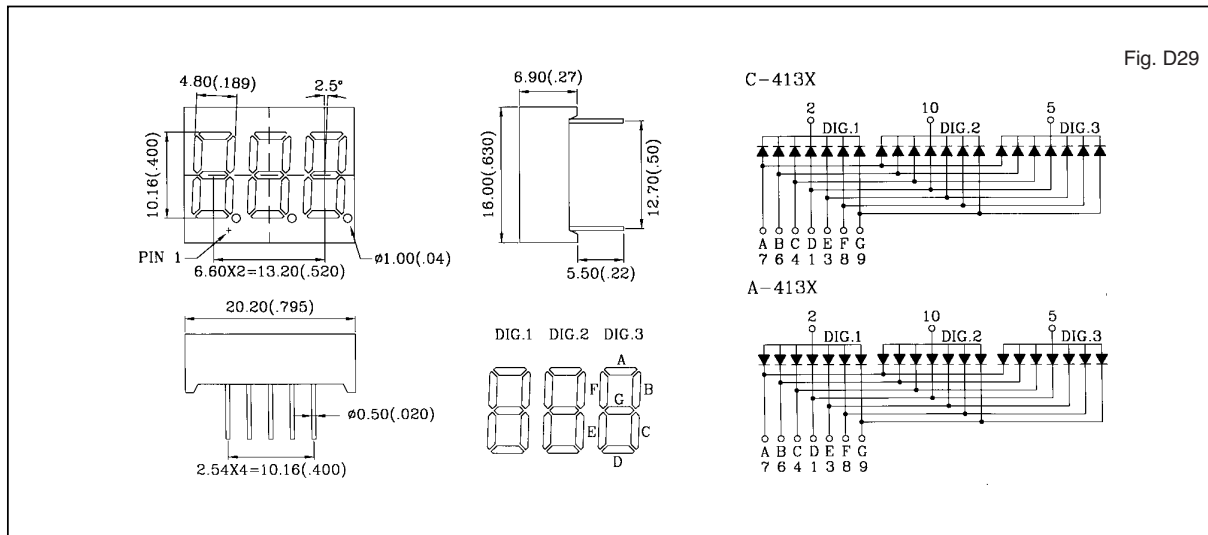
Shape	Part No.		Chip		Wave Length λ p(nm)	Electro-Optical Characteristics			Fig.No.
	Common Cathode	Common Anode	Raw Material	Emitted Color		Vf(V)20mA		Iv(ucd)10mA	
						Typ.	Max.	Typ.	
	C-403H	A-403H	GaP	Red	700	2.3	2.8	550	D37
	C-403E	A-403E	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	1800	
	C-403G	A-403G	GaP	Green	565	2.2	2.8	1600	
	C-403Y	A-403Y	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-403SR	A-403SR	GaAlAs	Super Red	660	1.8	2.2	21000	
	C-403H-12	A-403H-12	GaP	Red	700	2.3	2.8	550	D38
	C-403E-12	A-403E-12	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	1800	
	C-403G-12	A-403G-12	GaP	Green	565	2.1	2.8	1600	
	C-403Y-12	A-403Y-12	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-403SR-12	A-403SR-12	GaAlAs	Super Red	660	1.8	2.2	21000	



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C/A-413X, C/A-503XA THREE DIGITS DISPLAY

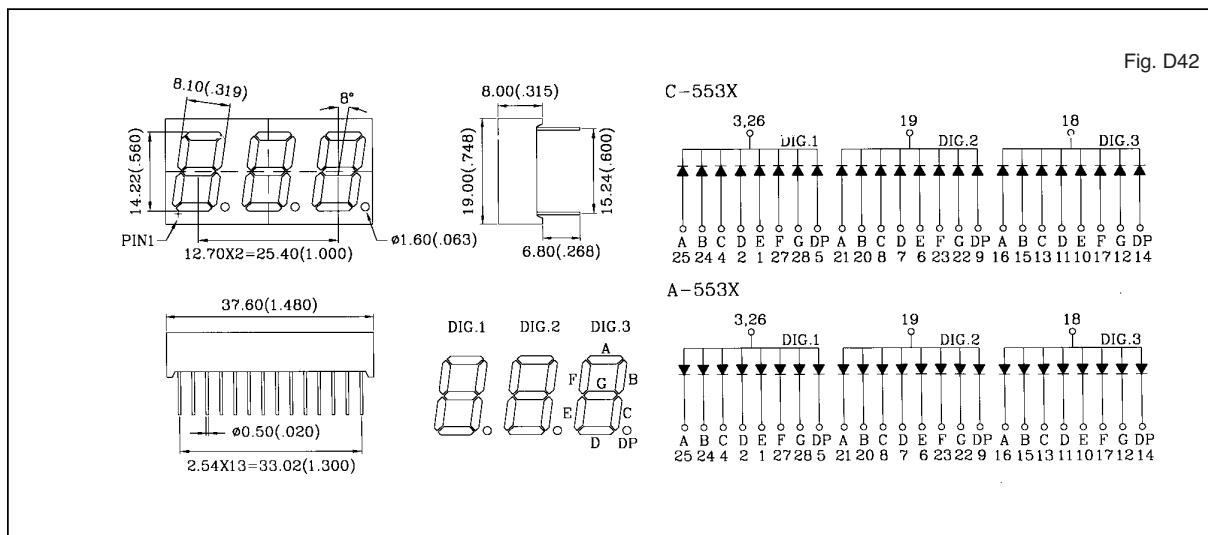
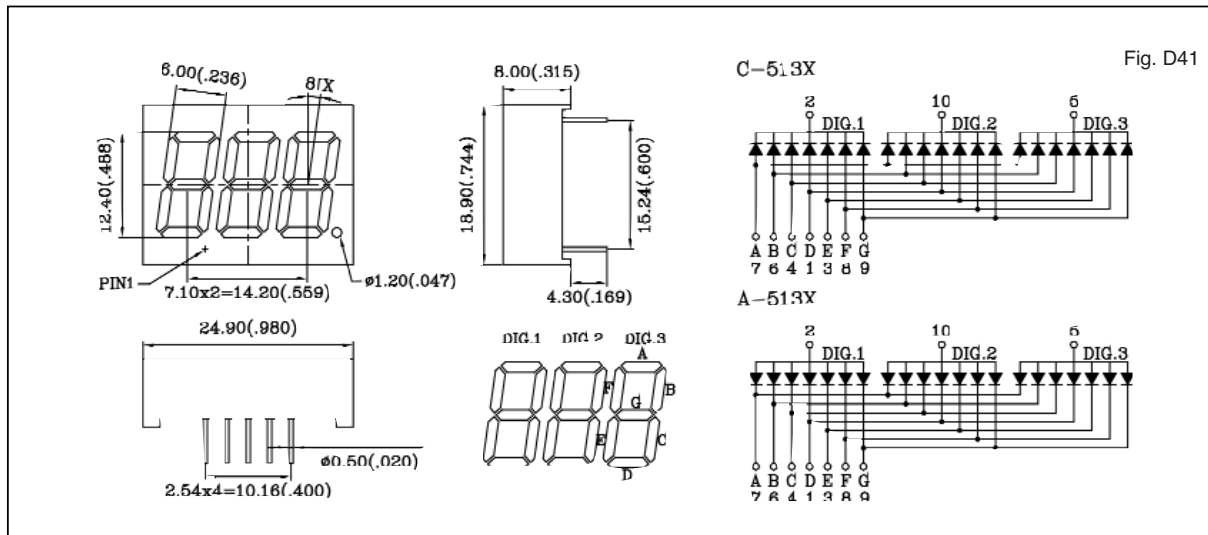
Shape	Part No.		Chip		Wave Length λ p(nm)	Electro-Optical Characteristics			Fig.No.
	Common Cathode	Common Anode	Raw Material	Emitted Color		Vf(V)20mA		Iv(ucd)10mA	
						Typ.	Max.	Typ.	
	C-413H	A-413H	GaP	Red	700	2.3	2.8	550	D29
	C-413E	A-413E	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	1800	
	C-413G	A-413G	GaP	Green	565	2.2	2.8	1600	
	C-413Y	A-413Y	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-413SR	A-413SR	GaAlAs	Super Red	660	1.8	2.2	21000	
	C-503HA	A-503HA	GaP	Red	700	2.3	2.8	550	D40
	C-503EA	A-503EA	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	1800	
	C-503GA	A-503GA	GaP	Green	565	2.1	2.8	1600	
	C-503YA	A-503YA	GaAsP/GaP	Yellow	585	2.1	2.8	1500	
	C-503SRA	A-503SRA	GaAlAs	Super Red	660	1.8	2.2	21000	



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C/A-513X, C/A-553X THREE DIGITS DISPLAY

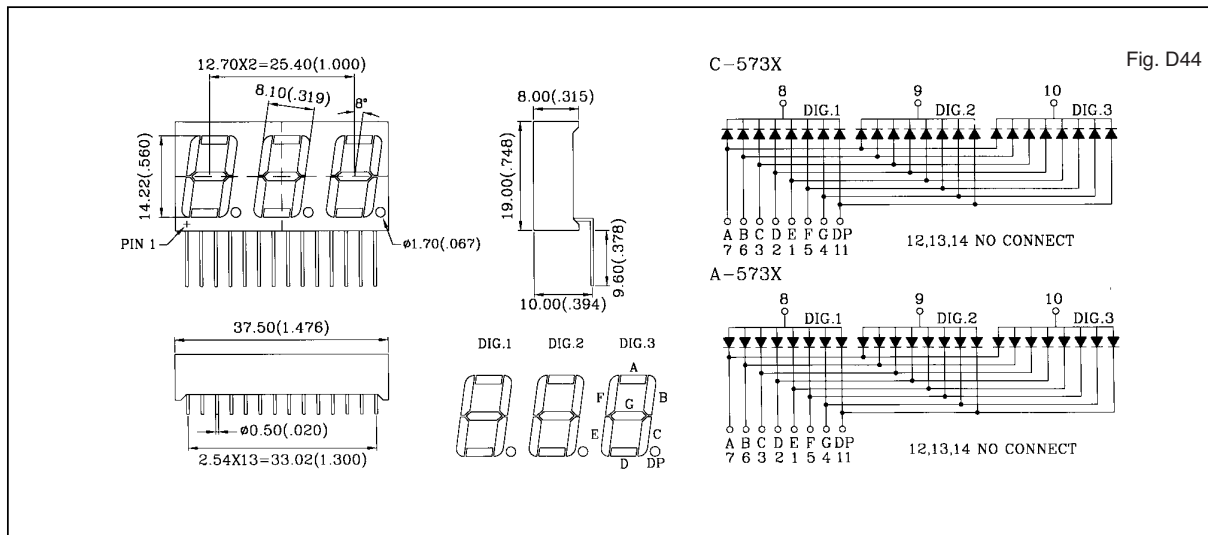
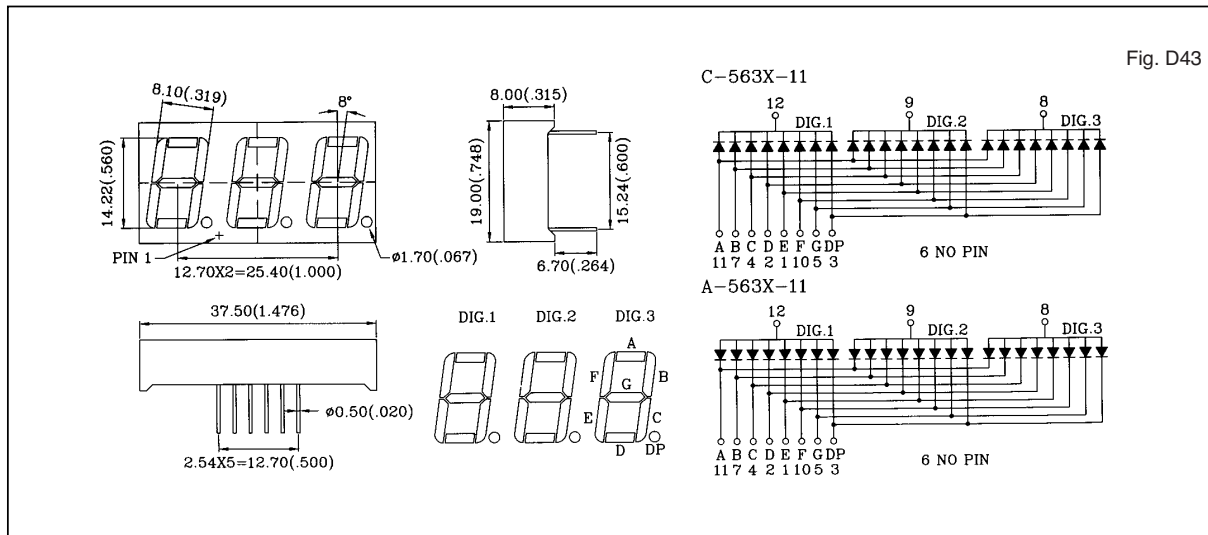
Shape	Part No.		Chip		Wave Length λ p(nm)	Electro-Optical Characteristics			Fig.No.
	Common Cathode	Common Anode	Raw Material	Emitted Color		Vf(V)20mA		Iv(ucd)10mA	
						Typ.	Max.	Typ.	
	C-513H	A-513H	GaP	Red	700	2.3	2.8	650	D41
	C-513E	A-513E	GaAsP/GaP	Hi. effi Red	635	2.1	2.8	2000	
	C-513G	A-513G	GaP	Green	565	2.2	2.8	2000	
	C-513Y	A-513Y	GaAsP/GaP	Yellow	585	2.1	2.8	1600	
	C-513SR	A-513SR	GaAlAs	Super Red	660	1.8	2.2	21000	
	C-553H	A-553H	GaP	Red	700	2.3	2.8	650	D42
	C-553E	A-553E	GaAsP/GaP	Hi. effi Red	635	2.1	2.8	2000	
	C-553G	A-553G	GaP	Green	565	2.1	2.8	2000	
	C-553Y	A-553Y	GaAsP/GaP	Yellow	585	2.1	2.8	1600	
	C-553SR	A-553SR	GaAlAs	Super Red	660	1.8	2.2	21000	



1. All dimension are in millimeters (inches).
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C/A-563X, C/A-573X THREE DIGITS DISPLAY

Shape	Part No.		Chip		Wave Length λ p(nm)	Electro-Optical Characteristics			Fig.No.
	Common Cathode	Common Anode	Raw Material	Emitted Color		Vf(V)20mA		Iv(ucd)10mA	
						Typ.	Max.	Typ.	
	C-563H-11	A-563H-11	GaP	Red	700	2.3	2.8	650	D43
	C-563E-11	A-563E-11	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	2000	
	C-563G-11	A-563G-11	GaP	Green	565	2.2	2.8	2000	
	C-563Y-11	A-563Y-11	GaAsP/GaP	Yellow	585	2.1	2.8	1600	
	C-563SR-11	A-563SR-11	GaAlAs	Super Red	660	1.8	2.2	21000	
	C-573H	A-573H	GaP	Red	700	2.3	2.8	650	D44
	C-573E	A-573E	GaAsP/GaP	Hi.effi Red	635	2.1	2.8	2000	
	C-573G	A-573G	GaP	Green	565	2.1	2.8	2000	
	C-573Y	A-573Y	GaAsP/GaP	Yellow	585	2.1	2.8	1600	
	C-573SR	A-573SR	GaAlAs	Super Red	660	1.8	2.2	21000	



- 1.All dimension are in millimeters (inches).
- 2.Tolerance is ± 0.25 mm (0.01") unless otherwise specified.