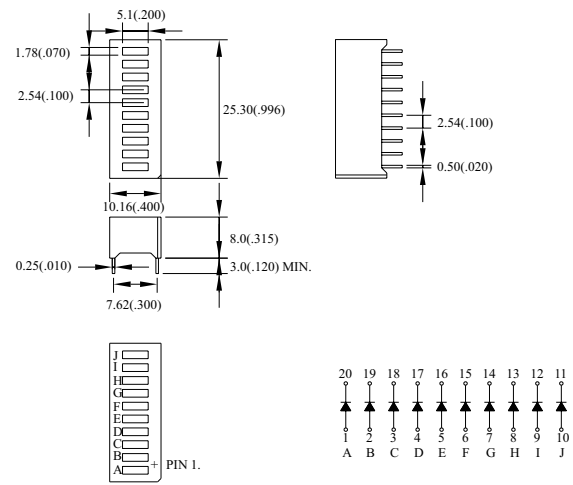
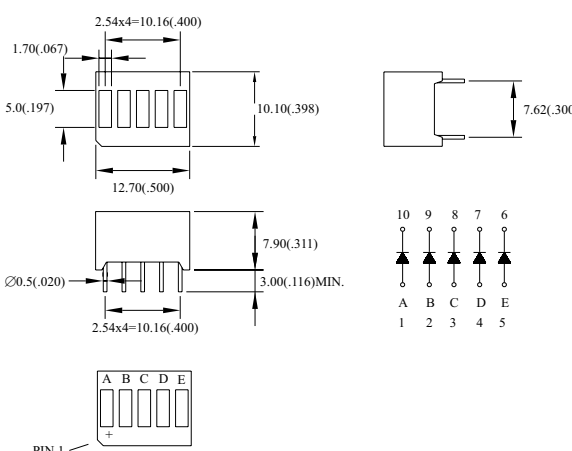
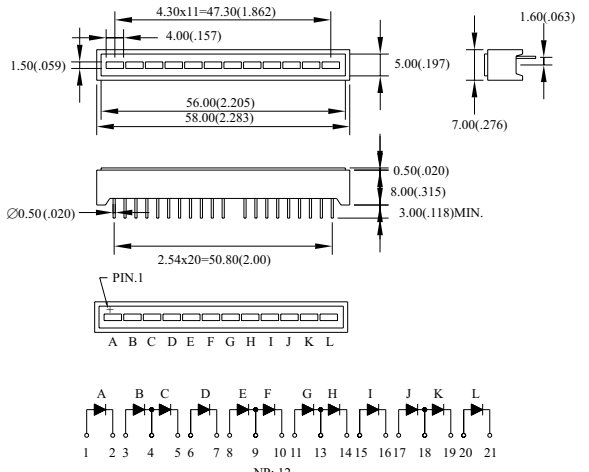
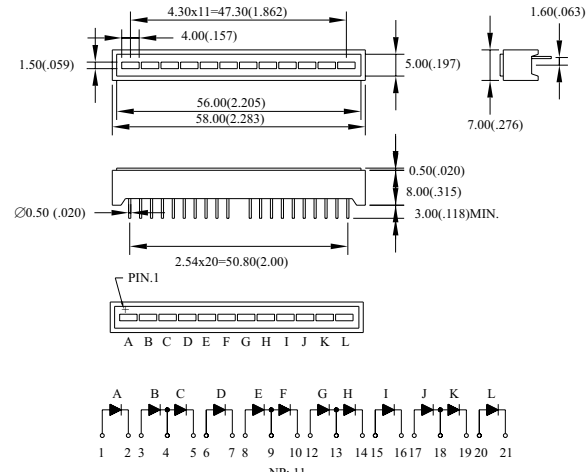
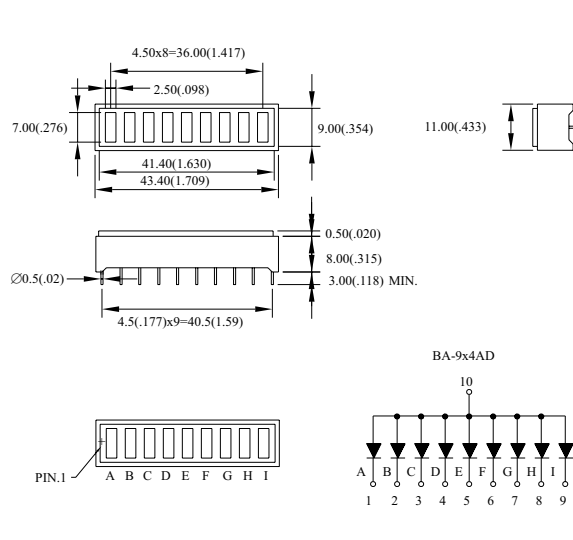
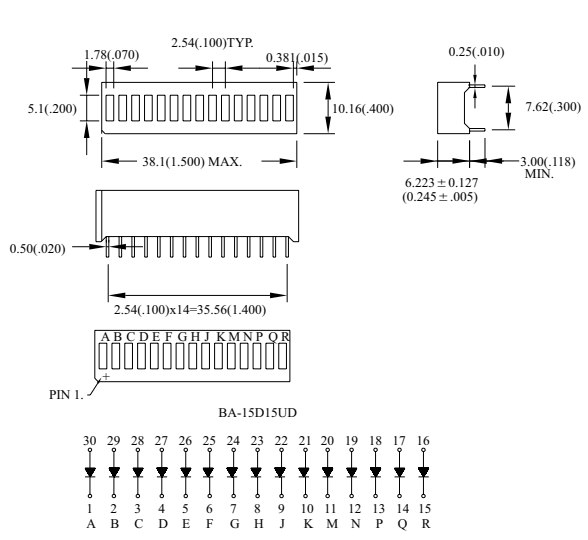


Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.	
	Common Anode	Common Cathode	Material/Emitted Color	Peak Wave Length λ_p (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)		
									Typ.	Max.			
1.78*5.10mm 10Bar Graph Array	BA-10R1UD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.4	AD-01	
	BA-10H1UD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	2.0		
	BA-10G1UD		GaP/ Green	568	30	80	30	150	2.2	2.5	5.0		
	BA-10Y1UD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	4.5		
	BA-10E1UD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	5.0		
			GaAsP/GaP/ Orange										
	BA-10S1UD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	8.0		
BA-10D1UD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	9.0			
1.70*5.00mm 5Bar Graph Array	BA-5R5UD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.4	AD-02	
	BA-5H5UD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	2.0		
	BA-5G5UD		GaP/ Green	568	30	80	30	150	2.2	2.5	5.0		
	BA-5Y5UD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	4.5		
	BA-5E5UD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	5.0		
			GaAsP/GaP/ Orange										
	BA-5S5UD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	8.0		
BA-5D5UD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	9.0			
1.50*4.00mm 12Bar Graph Array	BA-12R3UD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.2	AD-03	
	BA-12H3UD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.8		
	BA-12G3UD		GaP/ Green	568	30	80	30	150	2.2	2.5	4.5		
	BA-12Y3UD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	3.5		
	BA-12E3UD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	4.5		
			GaAsP/GaP/ Orange										
	BA-12S3UD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	10.0		
	BA-12D3UD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	12.0		
	BA-12R3UD-A		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.2		
			BA-12H3UD-A									GaP/ Bright Red	
			BA-12G3UD-A									GaP/ Green	
			BA-12Y3UD-A									GaAsP/GaP/ Yellow	
			BA-12E3UD-A									GaAsP/GaP/ Hi-Eff.Red	
												GaAsP/GaP/ Orange	
BA-12S3UD-A		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	10.0			
BA-12D3UD-A		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	12.0			
2.50*7.00mm 9Bar Graph Array	BA-9R4AD	BA-9R4CD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.2	AD-05	
	BA-9H4AD	BA-9H4CD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.8		
	BA-9G4AD	BA-9G4CD	GaP/ Green	568	30	80	30	150	2.2	2.5	4.5		
	BA-9Y4AD	BA-9Y4CD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	3.5		
	BA-9E4AD BA-9E4CD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	4.5		
			GaAsP/GaP/ Orange										
	BA-9S4AD	BA-9S4CD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	10.0		
BA-9D4AD	BA-9D4CD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	12.0			
1.78*5.10mm 15Bar Graph Array	BA-15R15UD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.2	AD-06	
	BA-15H15UD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.8		
	BA-15G15UD		GaP/ Green	568	30	80	30	150	2.2	2.5	4.5		
	BA-15Y15UD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	3.5		
	BA-15E15UD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	4.5		
			GaAsP/GaP/ Orange										
	BA-15S15UD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	10.0		
BA-15D15UD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	12.0			

AD-01 BA- 10x1UD	AD-02 BA- 5x5UD
 <p>Technical drawing of BA-10x1UD LED bar graph array. Dimensions include: 5.1(200) total width, 1.78(070) and 2.54(100) segment widths, 25.30(996) total length, 10.16(400) segment length, 0.25(010) and 7.62(300) mounting hole dimensions, 8.0(315) and 3.0(.120) MIN. mounting hole spacing, 2.54(100) and 0.50(.020) pin dimensions. Pin layout shows 10 pins labeled A through J.</p>	 <p>Technical drawing of BA-5x5UD LED bar graph array. Dimensions include: 2.54x4=10.16(400) total width, 1.70(.067) and 5.0(.197) segment widths, 12.70(.500) total length, 10.10(.398) segment length, 7.62(.300) mounting hole dimension, 7.90(.311) and 3.00(.116) MIN. mounting hole spacing, 0.5(.020) and 2.54x4=10.16(400) pin dimensions. Pin layout shows 10 pins labeled A through E.</p>
AD-03 BA- 12x3UD	AD-04 BA- 12x3UD-A
 <p>Technical drawing of BA-12x3UD LED bar graph array. Dimensions include: 4.30x11=47.30(1.862) total width, 1.50(.059) and 4.00(.157) segment widths, 56.00(2.205) and 58.00(2.283) total lengths, 5.00(.197) and 7.00(.276) mounting hole dimensions, 0.50(.020) and 8.00(.315) mounting hole spacing, 3.00(.118) MIN. mounting hole spacing, 2.54x20=50.80(2.00) pin dimensions. Pin layout shows 21 pins labeled A through L.</p>	 <p>Technical drawing of BA-12x3UD-A LED bar graph array. Dimensions include: 4.30x11=47.30(1.862) total width, 1.50(.059) and 4.00(.157) segment widths, 56.00(2.205) and 58.00(2.283) total lengths, 5.00(.197) and 7.00(.276) mounting hole dimensions, 0.50(.020) and 8.00(.315) mounting hole spacing, 3.00(.118) MIN. mounting hole spacing, 2.54x20=50.80(2.00) pin dimensions. Pin layout shows 21 pins labeled A through L.</p>
AD-05 BA-9x4 ^A _C D	AD-06 BA- 15x15UD
 <p>Technical drawing of BA-9x4AD LED bar graph array. Dimensions include: 4.50x8=36.00(1.417) total width, 7.00(.276) and 2.50(.098) segment widths, 41.40(1.630) and 43.40(1.709) total lengths, 9.00(.354) and 11.00(.433) mounting hole dimensions, 0.50(.020) and 8.00(.315) mounting hole spacing, 3.00(.118) MIN. mounting hole spacing, 4.5(.177)x9=40.5(1.59) pin dimensions. Pin layout shows 9 pins labeled A through I.</p>	 <p>Technical drawing of BA-15x15UD LED bar graph array. Dimensions include: 1.78(.070) and 2.54(100) TYP. segment widths, 0.38(.015) and 0.25(.010) mounting hole dimensions, 5.1(200) and 10.16(400) total lengths, 38.1(1.500) MAX. total length, 6.223 ± 0.127 (0.245 ± .005) and 3.00(.118) MIN. mounting hole spacing, 0.50(.020) and 2.54(100)x14=35.56(1.400) pin dimensions. Pin layout shows 30 pins labeled A through R.</p>

NOTES: 1.All Dimensions are in millimeters(inches).
3.Specifications are subject to change without notice.

2.Tolerance is ± 0.25mm(.010").
4.NP:No Pin. 5.NC:No Connect.