

# BAR GRAPH ARRAYS

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 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-10H1UD		GaP/Bright Red	700	90	40	15	50	2.2	2.5	2.0	AD-01
	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	
	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-5H5UD		GaP/Bright Red	700	90	40	15	50	2.2	2.5	2.0	AD-02
	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	
	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-12H3UD		GaP/Bright Red	700	90	40	15	50	2.2	2.5	1.8	AD-03
	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	
	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	
1.78*5.10mm 15Bar Graph-Array	BA-15H15UD		GaP/Bright Red	700	90	40	15	50	2.2	2.5	1.8	AD-04
	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	
	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	

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AD-01 BA-10x1UD	AD-02 BA-5x5UD
<p>Technical drawing of BA-10x1UD bar graph array. Dimensions include: 1.78(.070), 2.54(.100), 5.1(.200), 25.30(.996), 10.16(.400), 8.00(.315), 3.00(.118)MIN., 7.62(.300), and <math>\phi 0.25(.010)</math>. Pinout shows 11 pins labeled A through J, with PIN 1 at the top.</p>	<p>Technical drawing of BA-5x5UD bar graph array. Dimensions include: 2.54x4=10.16(.400), 1.70(.067), 5.0(.197), 12.70(.500), 10.10(.398), 7.90(.311), 3.00(.118)MIN., <math>\phi 0.5(.020)</math>, and 2.54x4=10.16(.400). Pinout shows 10 pins labeled A through E, with PIN 1 at the top.</p>
AD-03 BA-12x3UD	AD-04 BA-15x15UD
<p>Technical drawing of BA-12x3UD bar graph array. Dimensions include: 4.30x11=47.30(1.862), 1.50(.059), 4.00(.157), 5.00(.197), 1.60(.063), 7.00(.276), 56.00(2.205), 58.00(2.283), 0.50(.020), 8.00(.315), 3.00(.118)MIN., <math>\phi 0.50(.020)</math>, and 2.54x20=50.80(2.00). Pinout shows 12 pins labeled A through L, with PIN 1 at the top. NP: 12.</p>	<p>Technical drawing of BA-15x15UD bar graph array. Dimensions include: 1.78(.070), 2.54(.100)TYP, 0.381(.015), 5.1(.200), 38.1(1.500)MAX., 10.16(.400), 0.25(.010), 7.62(.300), 3.00(.118)MIN., <math>6.223 \pm 0.127</math> (0.245 ± .005), <math>\phi 0.50(.020)</math>, and 2.54(.100)x14=35.56(1.400). Pinout shows 30 pins labeled A through R, with PIN 1 at the top. BA-15D15UD.</p>

Notes: 1. All dimensions are in millimeters (inches).  
 2. Tolerance is  $\pm 0.25\text{mm}$  (.010")

3. Specifications are subject to change without notice.  
 4. NP: No Pin.  
 5. NC: No Connect