

Designation system



LED bar graph display


BL- A R 10 Z 2510 S- 2 1- L4


BETLUX


A-Array graph display

Display Area Shape:

R-Rectangular  




S-Square 

C-Circle 

T-Other 

Display Area Number







Drive Mode

A.C.E.G.I.K. M.O.Q.S.U.W	Common Cathode	
B.D.F.H.J.L. N.P.R.T.V.X	Common Anode	
Z	Universal	

Reflector Length and Reflector Width





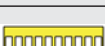
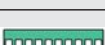

Special Device:
-Lxx: Pin Length

Bar Epoxy Color:

0-Water Clear	
1-White Diffused	
2-Red Diffused	
3-Green Diffused	
4-Yellow Diffused	
5-Blue Diffused	






Code	Color	Wavelength(nm)	Material
H	Red	700	GaP
S	Hi Red	660	AlGaAs,SH
UR	Ultra Red	660	AlGaAs,DDH
UHR	Ultra Red	640	AlGaInP
E	Red	635	GaAsP
UE	Ultra Red	630	AlGaInP
G	Green	570	GaP
UG	Ultra Green	574	AlGaInP
PG	Ultra Pure Green	525	AlGaInP
Y	Yellow	585	GaAsP
UY	Ultra Yellow	590	AlGaInP
UYO	Ultra Amber	610	AlGaInP
UB	Ultra Blue	470	InGaN
LW	Ultra White	-	InGaN
LW	Ultra Warm White	-	InGaN









Reflector Surface Color:

0-White Surface	
1-Black Surface	
2-Gray Surface	
3-Red Surface	
4-Green Surface	
5-Yellow Surface	
6-Blue Surface	

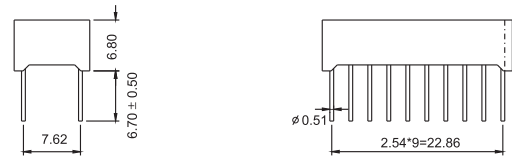
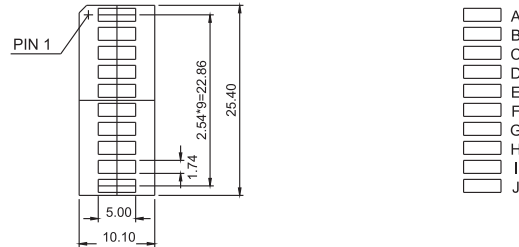
LED bargraph display

Part No	Chip		Iv(mcd) Typ.	Drawing
	Material	λP (nm)		

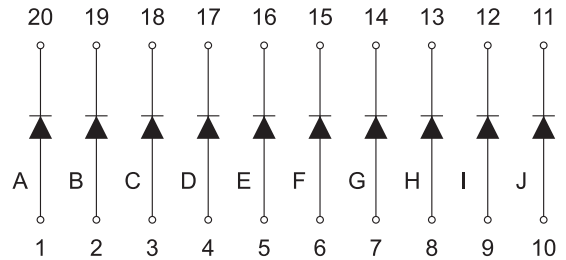
BL-AR10Z2510S--XX	GaAlAs/GaAs,SH		660	18
BL-AR10Z2510D-XX	GaAlAs/GaAs,DH		660	30
BL-AR10Z2510UR-XX	GaAlAs/GaAs,DDH		660	45
BL-AR10Z2510E-XX	GaAsP/GaP		635	10
BL-AR10Z2510Y-XX	GaAsP/GaP		585	10
BL-AR10Z2510G-XX	GaP/GaP		570	10
BL-AR10Z2510UHR-XX	AlGaInP		645	45
BL-AR10Z2510UE-XX	AlGaInP		630	18
BL-AR10Z2510YO-XX	AlGaInP		619	18
BL-AR10Z2510UY-XX	AlGaInP		590	18
BL-AR10Z2510UG-XX	AlGaInP		574	18
BL-AR10Z2510PG-XX	InGaN		525	22
BL-AR10Z2510UB-XX	InGaN		470	31
BL-AR10Z2510UW-XX	InGaN		/	50

BL-AR10B2510SG--XX	AlGaInP		660	10
	GaP/GaP		570	10
BL-AR10B2510EG-XX	GaAsP/GaP		635	10
	GaP/GaP		570	10
BL-AR10B2510DUG-XX	AlGaInP		660	30
	AlGaInP		574	18
BL-AR10B2510UEUG-XX	AlGaInP		630	18
	AlGaInP		574	18

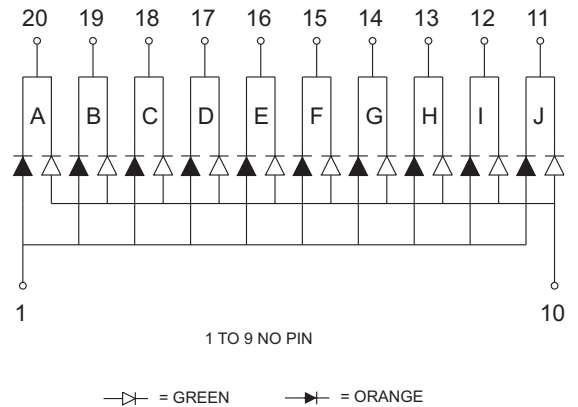
BL-AR10X2510 Series



BL-AR10Z2510A



BL-AR10B2510AEG



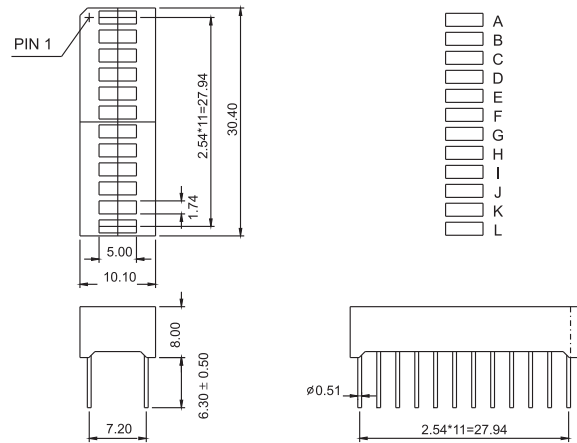
LED bargraph display

Part No		Chip		lv(mcd)	Drawing
Common Cathode	Common Anode	Material	λP (nm)	Typ.	

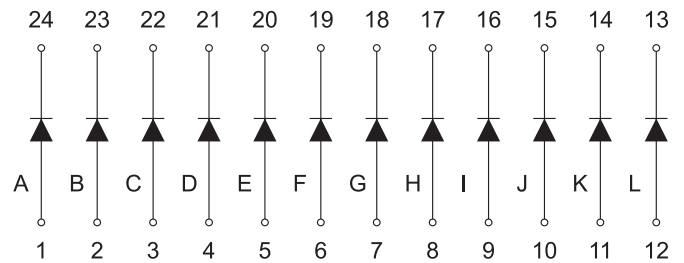
BL-AR12Z3010S--XX	GaAlAs/GaAs,SH		660	18
BL-AR12Z3010D-XX	GaAlAs/GaAs,DH		660	30
BL-AR12Z3010UR-XX	GaAlAs/GaAs,DDH		660	45
BL-AR12Z3010E-XX	GaAsP/GaP		635	10
BL-AR12Z3010Y-XX	GaAsP/GaP		585	10
BL-AR12Z3010G-XX	GaP/GaP		570	10
BL-AR12Z3010UHR-XX	AlGaN		645	45
BL-AR12Z3010UE-XX	AlGaN		630	18
BL-AR12Z3010YO-XX	AlGaN		619	18
BL-AR12Z3010UY-XX	AlGaN		590	18
BL-AR12Z3010UG-XX	AlGaN		574	18
BL-AR12Z3010PG-XX	InGaN		525	22
BL-AR12Z3010UB-XX	InGaN		470	31
BL-AR12Z3010UW-XX	InGaN		/	50

BL-AR12Z3010SG--XX	AlGaN		660	10
	GaP/GaP		570	10
BL-AR12Z3010EG-XX	GaAsP/GaP		635	10
	GaP/GaP		570	10
BL-AR12Z3010DUG-XX	AlGaN		660	30
	AlGaN		574	18
BL-AR12Z3010UEUG-XX	AlGaN		630	18
	AlGaN		574	18

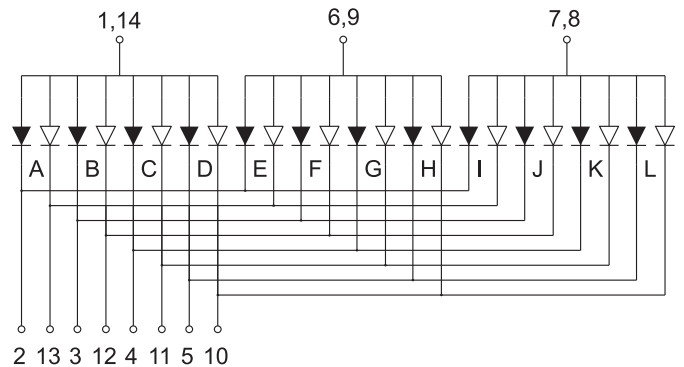
BL-AR12X3010 Series



BL-AR12Z3010



BL-AR12Z3010EG



LED bargraph display

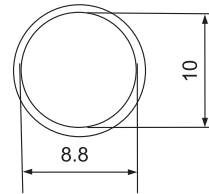
Part No		Chip		lv(mcd)
Common Cathode	Common Anode	Material	λP (nm)	Typ.
BL-AS1Z10S-XX		GaAlAs/GaAs,SH	660	6
BL-AS1Z10D-XX		GaAlAs/GaAs,DH	660	11
BL-AS1Z10UR-XX		GaAlAs/GaAs,DDH	660	20
BL-AS1Z10E-XX		GaAsP/GaP	635	6
BL-AS1Z10Y-XX		GaAsP/GaP	585	6
BL-AS1Z10G-XX		GaP/GaP	570	6
BL-AS1Z10UHR-XX		AlGaInP	645	20
BL-AS1Z10UE-XX		AlGaInP	630	11
BL-AS1Z10YO-XX		AlGaInP	619	11
BL-AS1Z10UY-XX		AlGaInP	590	11
BL-AS1Z10UG-XX		AlGaInP	574	11
BL-AS1Z10PG-XX		InGaN	525	16
BL-AS1Z10UB-XX		InGaN	470	22
BL-AS1Z10UW-XX		InGaN	/	35

BL-AC1Z18S2-XX		GaAlAs/GaAs,SH	660	5
BL-AC1Z18D2-XX		GaAlAs/GaAs,DH	660	10
BL-AC1Z18UR2-XX		GaAlAs/GaAs,DDH	660	20
BL-AC1Z18E2-XX		GaAsP/GaP	635	5
BL-AC1Z18Y2-XX		GaAsP/GaP	585	5
BL-AC1Z18G2-XX		GaP/GaP	570	5
BL-AC1Z18UHR2-XX		AlGaInP	645	20
BL-AC1Z18UE2-XX		AlGaInP	630	8
BL-AC1Z18YO2-XX		AlGaInP	619	8
BL-AC1Z18UY2-XX		AlGaInP	590	8
BL-AC1Z18UG2-XX		AlGaInP	574	8
BL-AC1Z18PG2-XX		InGaN	525	12
BL-AC1Z18UB2-XX		InGaN	470	20
BL-AC1Z18UW2-XX		InGaN	/	30

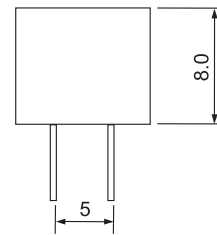
BL-AC1Z20S-XX		GaAlAs/GaAs,SH	660	12
BL-AC1Z20D-XX		GaAlAs/GaAs,DH	660	18
BL-AC1Z20UR-XX		GaAlAs/GaAs,DDH	660	30
BL-AC1Z20E-XX		GaAsP/GaP	635	10
BL-AC1Z20Y-XX		GaAsP/GaP	585	10
BL-AC1Z20G-XX		GaP/GaP	570	10
BL-AC1Z20UHR-XX		AlGaInP	645	30
BL-AC1Z20UE-XX		AlGaInP	630	15
BL-AC1Z20YO-XX		AlGaInP	619	15
BL-AC1Z20UY-XX		AlGaInP	590	15
BL-AC1Z20UG-XX		AlGaInP	574	15
BL-AC1Z20PG-XX		InGaN	525	20
BL-AC1Z20UB-XX		InGaN	470	30
BL-AC1Z20UW-XX		InGaN	/	40

Drawing

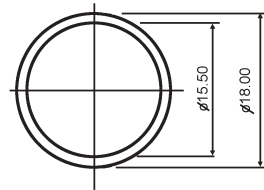
BL-AC1Z10 Series



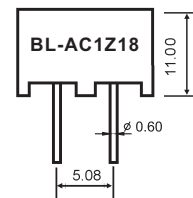
BL-AC1Z10



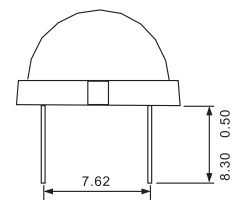
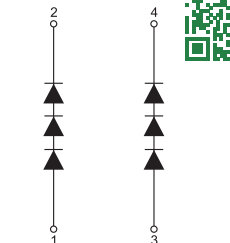
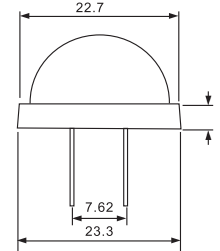
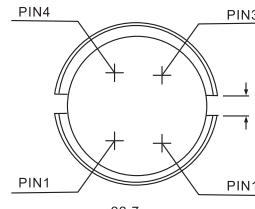
BL-AC1Z18 Series



BL-AC1Z18-2



BL-AC1Z20 Series



All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01)$ unless otherwise note



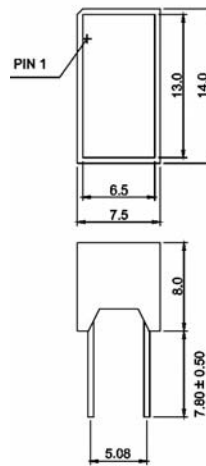
For more, please visit <http://www.betlux.com>

LED bargraph display

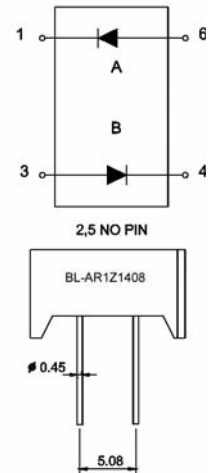
Part No		Chip		lv(mcd)
Common Cathode	Common Anode	Material	λP (nm)	Typ.
BL-AR1Z1408S--XX		GaAlAs/GaAs,SH	660	18
BL-AR1Z1408D-XX		GaAlAs/GaAs,DH	660	30
BL-AR1Z1408UR-XX		GaAlAs/GaAs,DDH	660	45
BL-AR1Z1408E-XX		GaAsP/GaP	635	10
BL-AR1Z1408Y-XX		GaAsP/GaP	585	10
BL-AR1Z1408G-XX		GaP/GaP	570	10
BL-AR1Z1408UHR-XX		AlGaInP	645	45
BL-AR1Z1408UE-XX		AlGaInP	630	18
BL-AR1Z1408YO-XX		AlGaInP	619	18
BL-AR1Z1408UY-XX		AlGaInP	590	18
BL-AR1Z1408UG-XX		AlGaInP	574	18
BL-AR1Z1408PG-XX		InGaN	525	22
BL-AR1Z1408UB-XX		InGaN	470	31
BL-AR1Z1408UW-XX		InGaN	/	50

Drawing

BL-AR1Z1408 Series

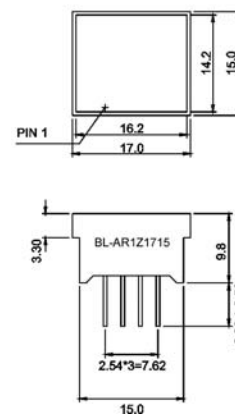


BL-AR1Z1408

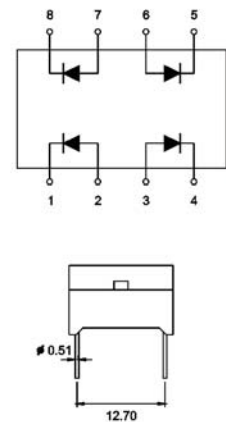


BL-AR1Z1715S--XX		GaAlAs/GaAs,SH	660	6
BL-AR1Z1715D-XX		GaAlAs/GaAs,DH	660	11
BL-AR1Z1715UR-XX		GaAlAs/GaAs,DDH	660	20
BL-AR1Z1715E-XX		GaAsP/GaP	635	6
BL-AR1Z1715Y-XX		GaAsP/GaP	585	6
BL-AR1Z1715G-XX		GaP/GaP	570	6
BL-AR1Z1715UHR-XX		AlGaInP	645	20
BL-AR1Z1715UE-XX		AlGaInP	630	11
BL-AR1Z1715YO-XX		AlGaInP	619	11
BL-AR1Z1715UY-XX		AlGaInP	590	11
BL-AR1Z1715UG-XX		AlGaInP	574	11
BL-AR1Z1715PG-XX		InGaN	525	14
BL-AR1Z1715UB-XX		InGaN	470	22
BL-AR1Z1715UW-XX		InGaN	/	35

BL-AR1Z1715 Series

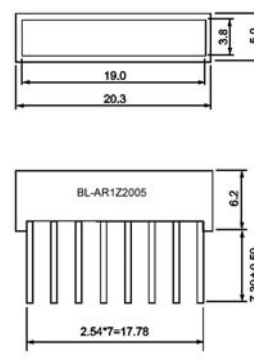


BL-AR1Z1715

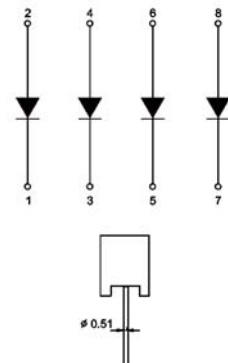


BL-AR1Z2005S--XX		GaAlAs/GaAs,SH	660	6
BL-AR1Z2005D-XX		GaAlAs/GaAs,DH	660	11
BL-AR1Z2005UR-XX		GaAlAs/GaAs,DDH	660	20
BL-AR1Z2005E-XX		GaAsP/GaP	635	6
BL-AR1Z2005Y-XX		GaAsP/GaP	585	6
BL-AR1Z2005G-XX		GaP/GaP	570	6
BL-AR1Z2005UHR-XX		AlGaInP	645	20
BL-AR1Z2005UE-XX		AlGaInP	630	11
BL-AR1Z2005YO-XX		AlGaInP	619	11
BL-AR1Z2005UY-XX		AlGaInP	590	11
BL-AR1Z2005UG-XX		AlGaInP	574	11
BL-AR1Z2005PG-XX		InGaN	525	14
BL-AR1Z2005UB-XX		InGaN	470	22
BL-AR1Z2005UW-XX		InGaN	/	35

BL-AR1Z2005 Series



BL-AR1Z2005

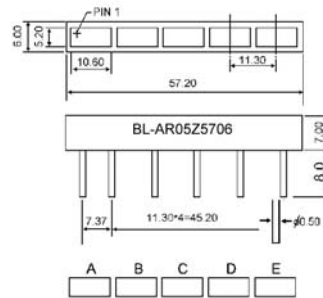


LED bargraph display

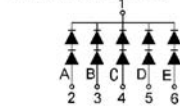
Part No		Chip		lv(mcd)
Common Cathode	Common Anode	Material	λP (nm)	Typ.
BL-AR05Z5706S--XX		GaAlAs/GaAs,SH	660	18
BL-AR05Z5706D-XX		GaAlAs/GaAs,DH	660	30
BL-AR05Z5706UR-XX		GaAlAs/GaAs,DDH	660	45
BL-AR05Z5706E-XX		GaAsP/GaP	635	10
BL-AR05Z5706Y-XX		GaAsP/GaP	585	10
BL-AR05Z5706G-XX		GaP/GaP	570	10
BL-AR05Z5706UHR-XX		AlGaInP	645	45
BL-AR05Z5706UE-XX		AlGaInP	630	18
BL-AR05Z5706YO-XX		AlGaInP	619	18
BL-AR05Z5706UY-XX		AlGaInP	590	18
BL-AR05Z5706UG-XX		AlGaInP	574	18
BL-AR05Z5706PG-XX		InGaN	525	22
BL-AR05Z5706UB-XX		InGaN	470	31
BL-AR05Z5706UW-XX		InGaN	/	50

Drawing

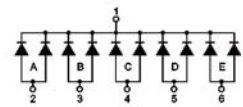
BL-AR05Z5706 Series



BL-AR05A5706

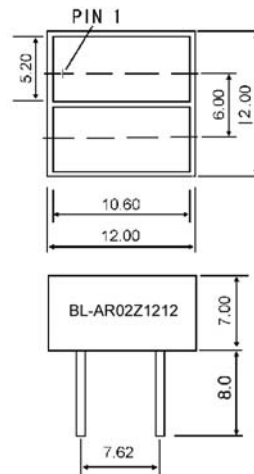


BL-AR05C5706

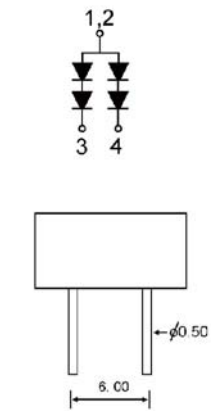


BL-AR02Z1212S--XX		GaAlAs/GaAs,SH	660	6
BL-AR02Z1212D-XX		GaAlAs/GaAs,DH	660	11
BL-AR02Z1212UR-XX		GaAlAs/GaAs,DDH	660	20
BL-AR02Z1212E-XX		GaAsP/GaP	635	6
BL-AR02Z1212Y-XX		GaAsP/GaP	585	6
BL-AR02Z1212G-XX		GaP/GaP	570	6
BL-AR02Z1212UHR-XX		AlGaInP	645	22
BL-AR02Z1212UE-XX		AlGaInP	630	11
BL-AR02Z1212YO-XX		AlGaInP	619	11
BL-AR02Z1212UY-XX		AlGaInP	590	11
BL-AR02Z1212UG-XX		AlGaInP	574	11
BL-AR02Z1212PG-XX		InGaN	525	14
BL-AR02Z1212UB-XX		InGaN	470	22
BL-AR02Z1212UW-XX		InGaN	/	35

BL-AR02Z1212 Series

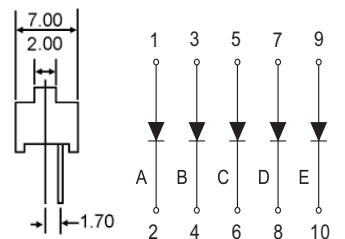
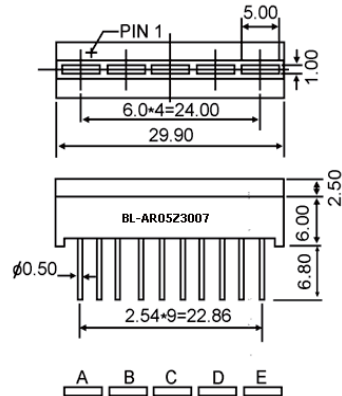


BL-AR02Z1212



BL-AR05Z3007S--XX		GaAlAs/GaAs,SH	660	5
BL-AR05Z3007D-XX		GaAlAs/GaAs,DH	660	10
BL-AR05Z3007UR-XX		GaAlAs/GaAs,DDH	660	20
BL-AR05Z3007E-XX		GaAsP/GaP	635	5
BL-AR05Z3007Y-XX		GaAsP/GaP	585	5
BL-AR05Z3007G-XX		GaP/GaP	570	5
BL-AR05Z3007UHR-XX		AlGaInP	645	20
BL-AR05Z3007UE-XX		AlGaInP	630	8
BL-AR05Z3007YO-XX		AlGaInP	619	8
BL-AR05Z3007UY-XX		AlGaInP	590	8
BL-AR05Z3007UG-XX		AlGaInP	574	8
BL-AR05Z3007PG-XX		InGaN	525	12
BL-AR05Z3007UB-XX		InGaN	470	20
BL-AR05Z3007UW-XX		InGaN	/	30

BL-AR05Z3007 Series

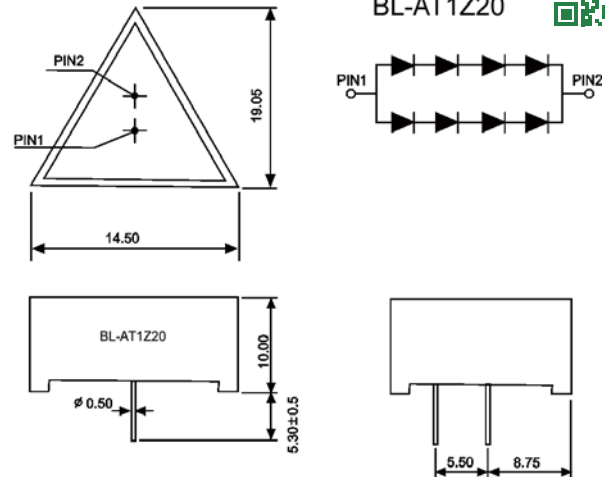


LED bargraph display

Part No		Chip		lv(mcd)
Common Cathode	Common Anode	Material	λP (nm)	Typ.
BL-AT1Z20S-XX		GaAlAs/GaAs,SH	660	14
BL-AT1Z20D-XX		GaAlAs/GaAs,DH	660	24
BL-AT1Z20UR-XX		GaAlAs/GaAs,DDH	660	48
BL-AT1Z20E-XX		GaAsP/GaP	635	10
BL-AT1Z20Y-XX		GaAsP/GaP	585	10
BL-AT1Z20G-XX		GaP/GaP	570	10
BL-AT1Z20UHR-XX		AlGaInP	645	48
BL-AT1Z20UE-XX		AlGaInP	630	28
BL-AT1Z20YO-XX		AlGaInP	619	28
BL-AT1Z20UY-XX		AlGaInP	590	28
BL-AT1Z20UG-XX		AlGaInP	574	28
BL-AT1Z20PG-XX		InGaN	525	30
BL-AT1Z20UB-XX		InGaN	470	32
BL-AT1Z20UW-XX		InGaN	/	50

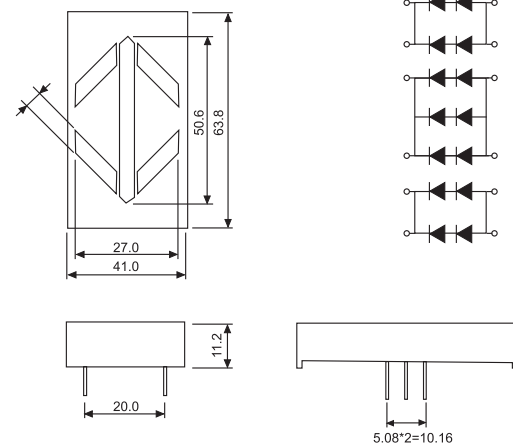
Drawing

BL-AT1Z20 Series



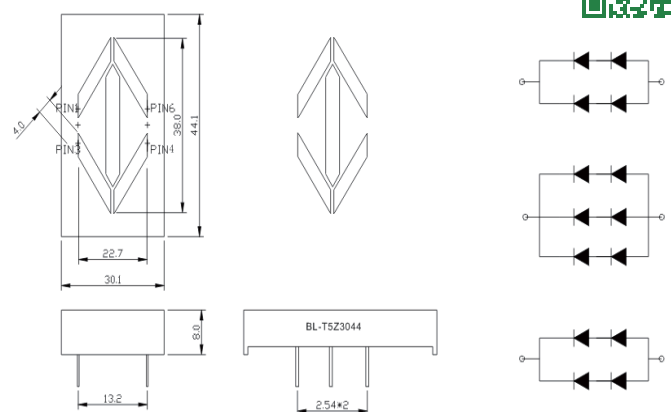
BL-AT5Z4163S-XX		GaAlAs/GaAs,SH	660	49
BL-AT5Z4163D-XX		GaAlAs/GaAs,DH	660	84
BL-AT5Z4163UR-XX		GaAlAs/GaAs,DDH	660	168
BL-AT5Z4163E-XX		GaAsP/GaP	635	35
BL-AT5Z4163Y-XX		GaAsP/GaP	585	35
BL-AT5Z4163G-XX		GaP/GaP	570	35
BL-AT5Z4163UHR-XX		AlGaInP	645	168
BL-AT5Z4163UE-XX		AlGaInP	630	98
BL-AT5Z4163YO-XX		AlGaInP	619	98
BL-AT5Z4163UY-XX		AlGaInP	590	98
BL-AT5Z4163UG-XX		AlGaInP	574	85
BL-AT5Z4163PG-XX		InGaN	525	85
BL-AT5Z4163UB-XX		InGaN	470	85
BL-AT5Z4163UW-XX		InGaN	/	120

BL-AT5Z4163 Series



BL-AT5Z3044S-XX		GaAlAs/GaAs,SH	660	49
BL-AT5Z3044D-XX		GaAlAs/GaAs,DH	660	84
BL-AT5Z3044UR-XX		GaAlAs/GaAs,DDH	660	168
BL-AT5Z3044E-XX		GaAsP/GaP	635	35
BL-AT5Z3044Y-XX		GaAsP/GaP	585	35
BL-AT5Z3044G-XX		GaP/GaP	570	35
BL-AT5Z3044UHR-XX		AlGaInP	645	168
BL-AT5Z3044UE-XX		AlGaInP	630	98
BL-AT5Z3044YO-XX		AlGaInP	619	98
BL-AT5Z3044UY-XX		AlGaInP	590	98
BL-AT5Z3044UG-XX		AlGaInP	574	85
BL-AT5Z3044PG-XX		InGaN	525	85
BL-AT5Z3044UB-XX		InGaN	470	85
BL-AT5Z3044UW-XX		InGaN	/	120

BL-AT5Z3044 Series



All dimensions are in millimeters (inches)
Tolerance is $\pm 0.25(0.01)$ unless otherwise note



For more, please visit <http://www.betlux.com>