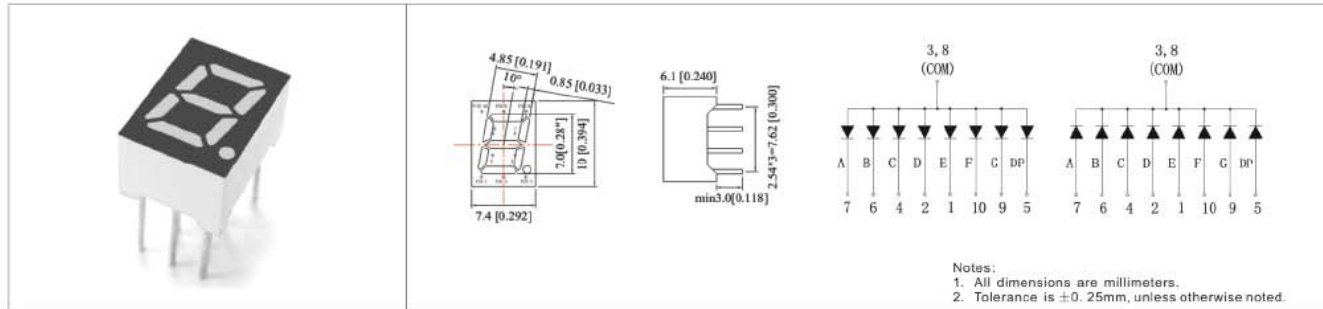
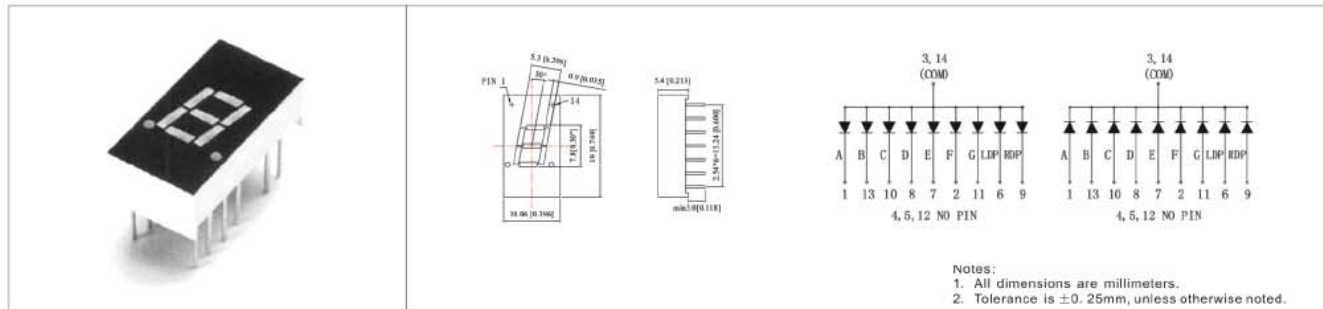
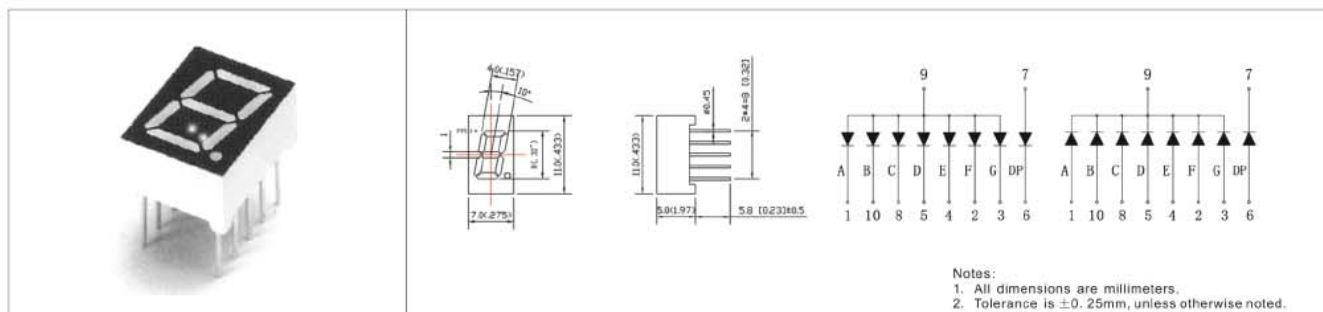




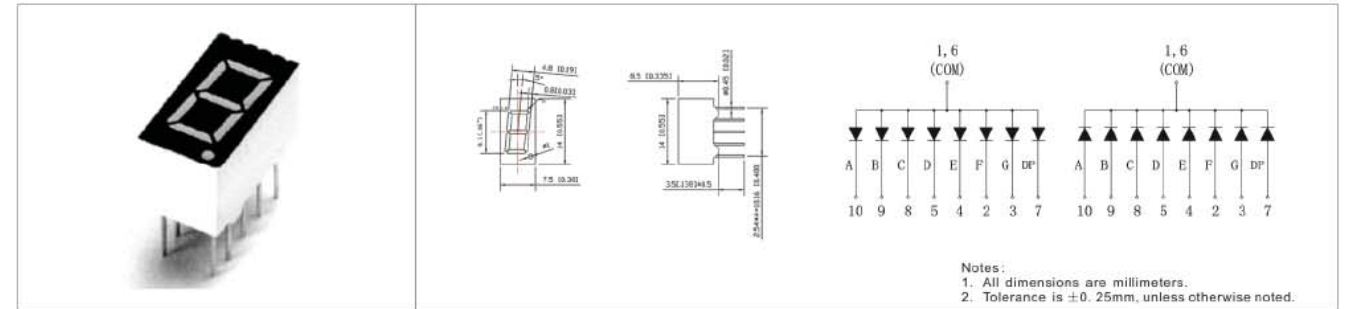
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-281XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-281XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-281XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-281XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



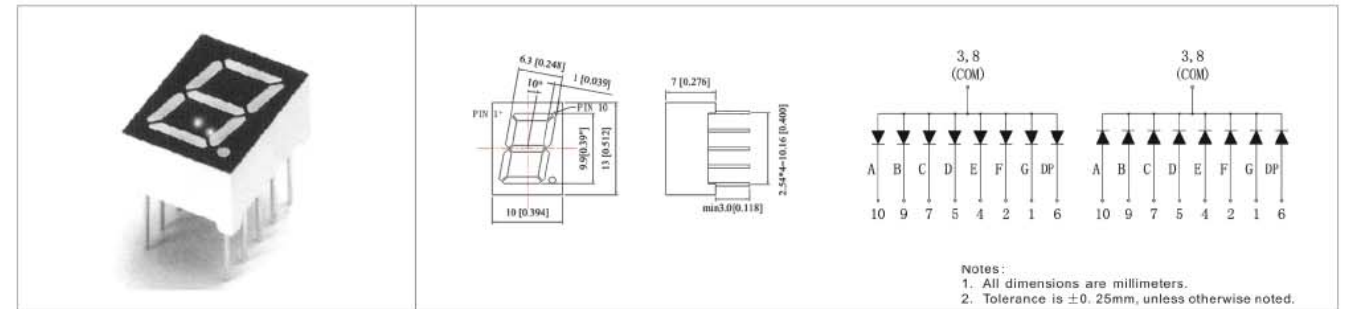
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-301XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-301XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-301XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-301XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



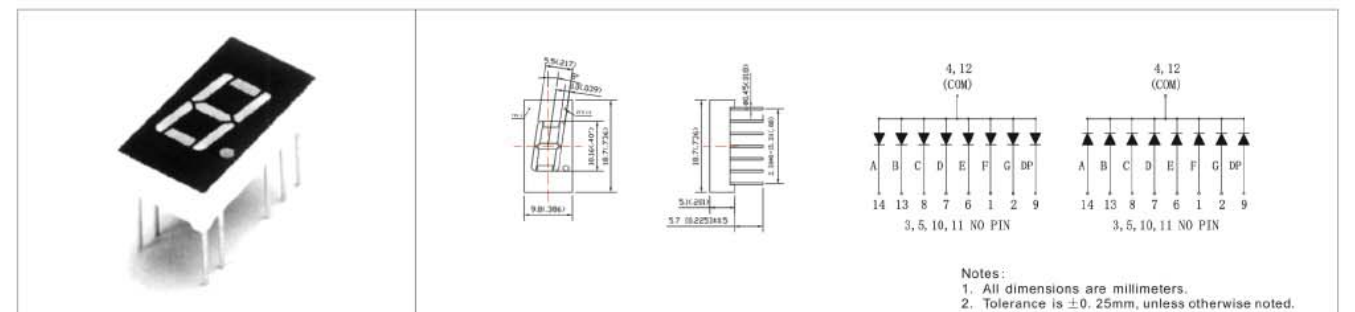
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-321XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-321XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-321XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-321XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



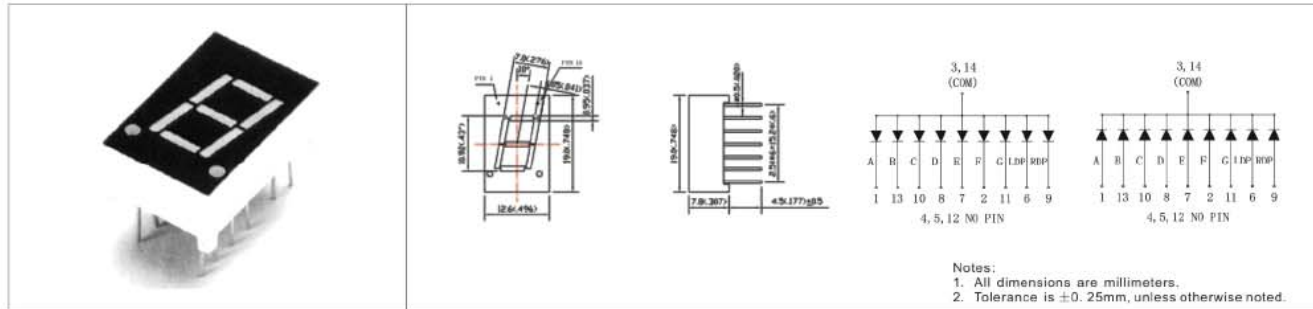
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-361XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-361XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-361XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-361XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



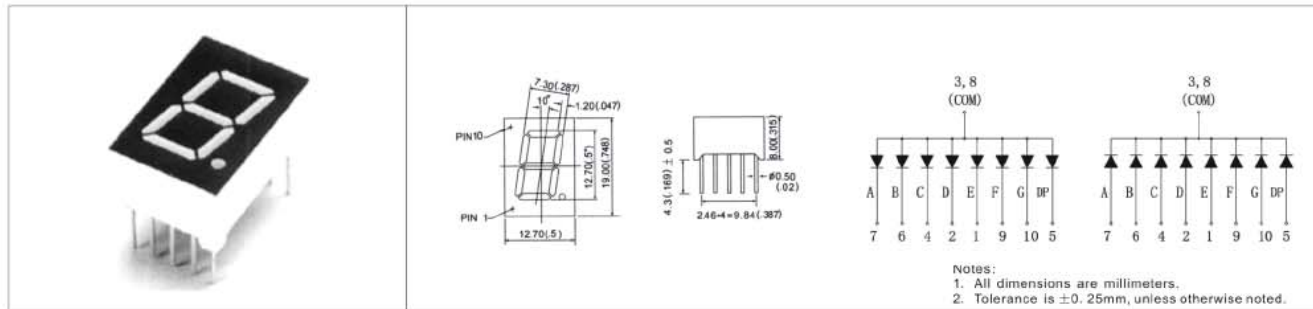
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-391XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-391XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-391XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-391XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



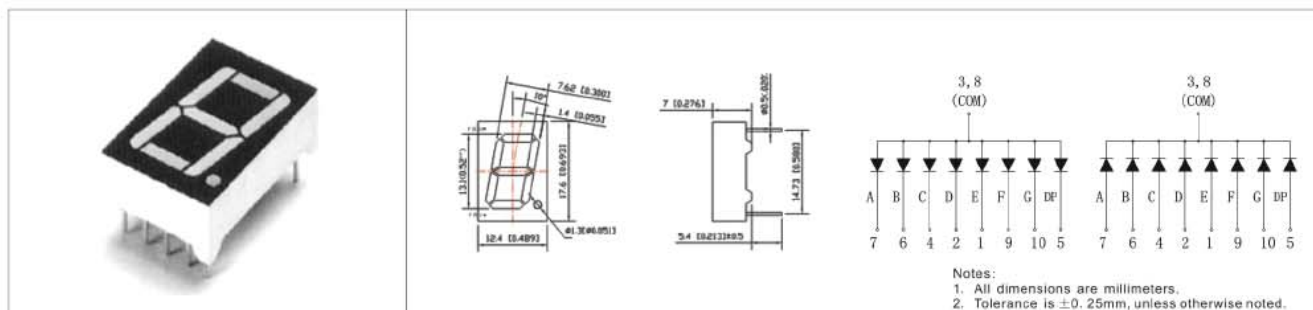
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-401XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-401XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-401XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-401XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



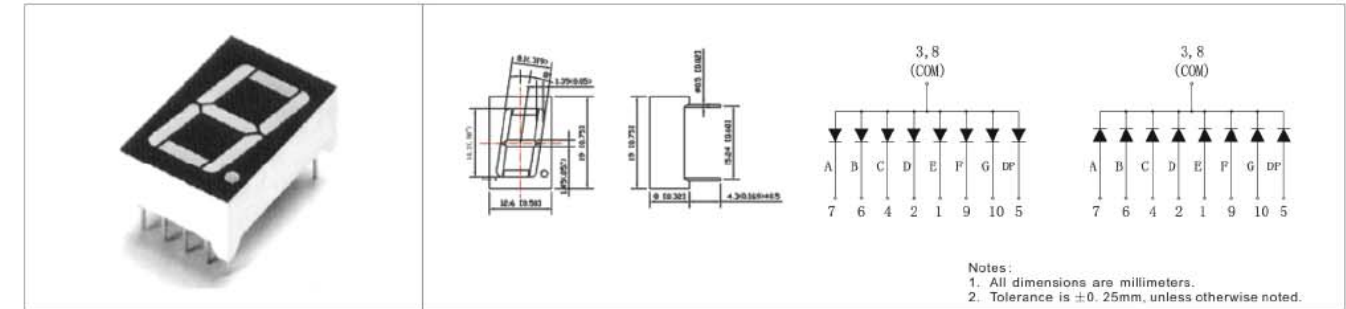
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength Ad (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-431XRB	Red	GaAIAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-431XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-431XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-431XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



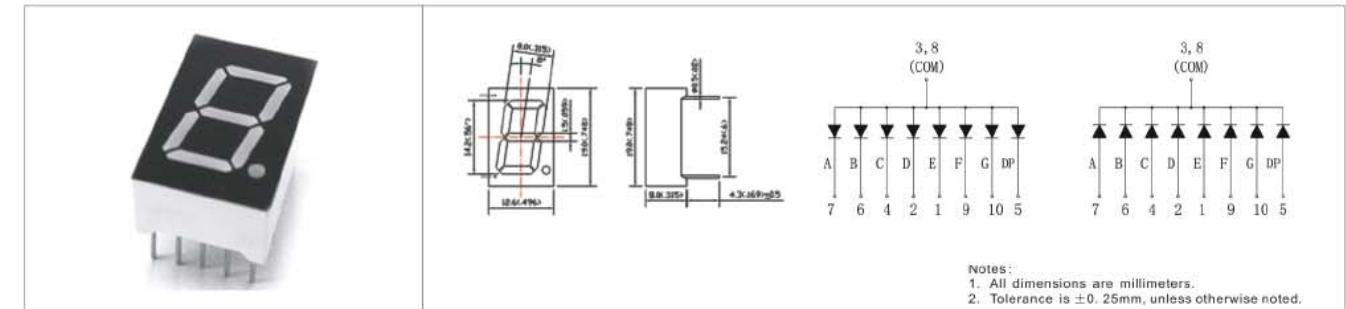
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λd (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-501XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-501XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-501XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-501XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



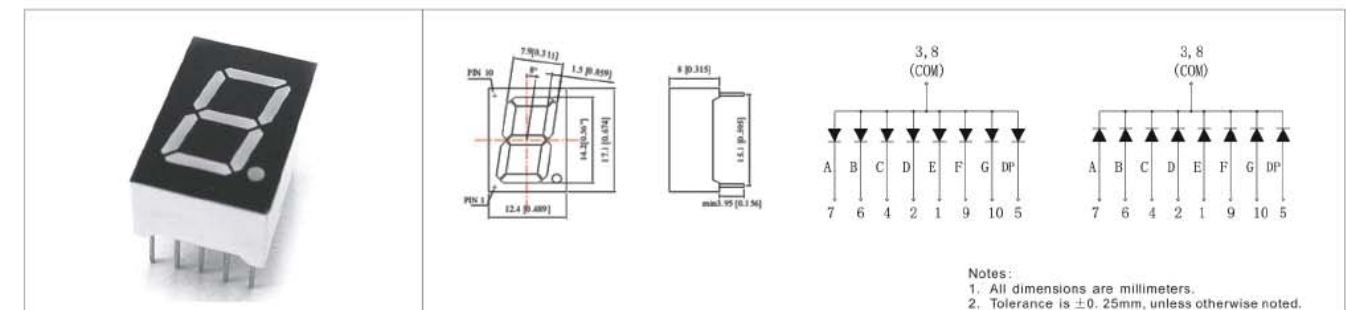
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λd (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-521XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-521XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-521XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-521XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



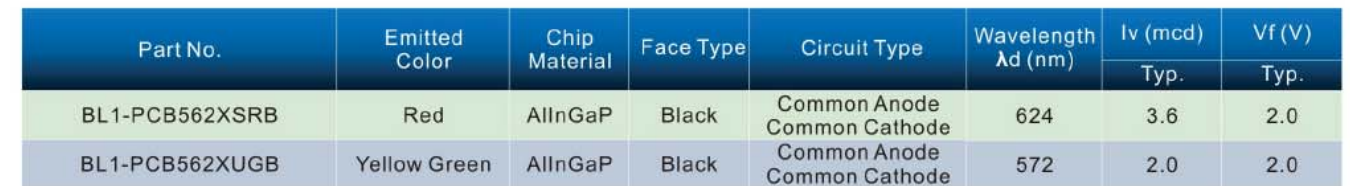
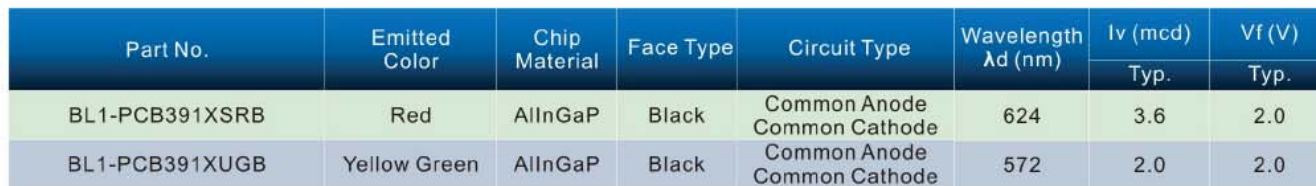
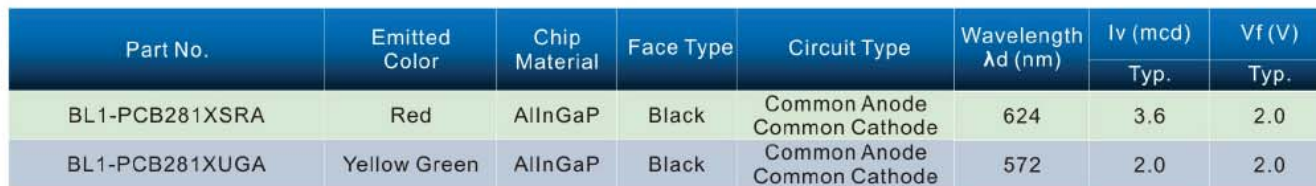
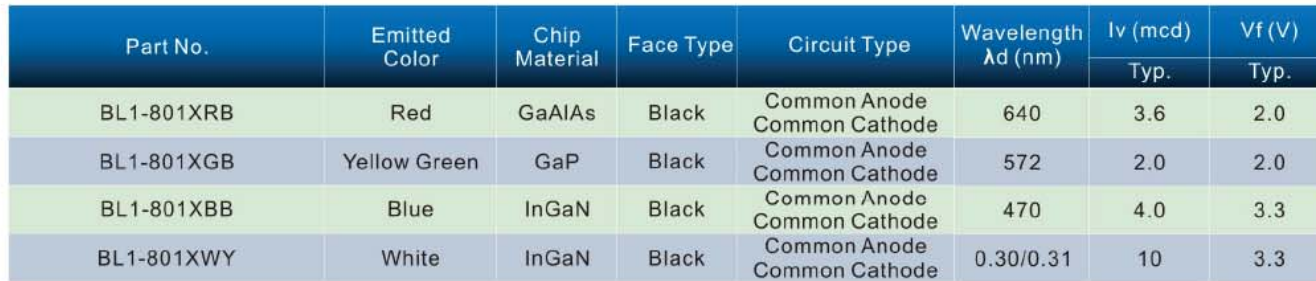
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength Ad (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-561XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-561XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-561XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-561XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3

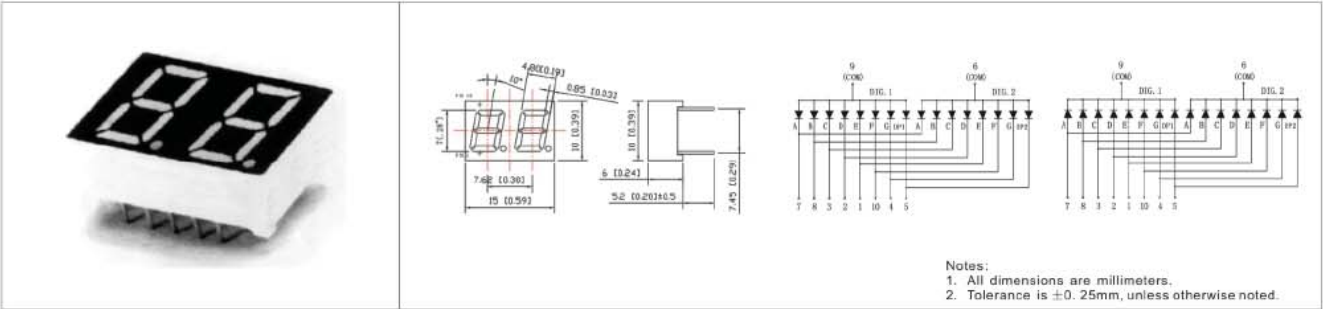


Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength Ad (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-562XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-562XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-562XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-562XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3

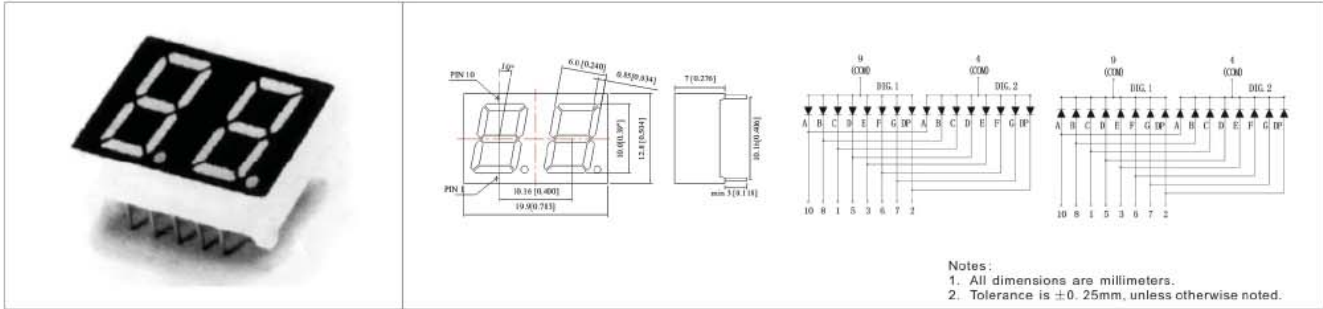


Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λd (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL1-563XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL1-563XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL1-563XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL1-563XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3

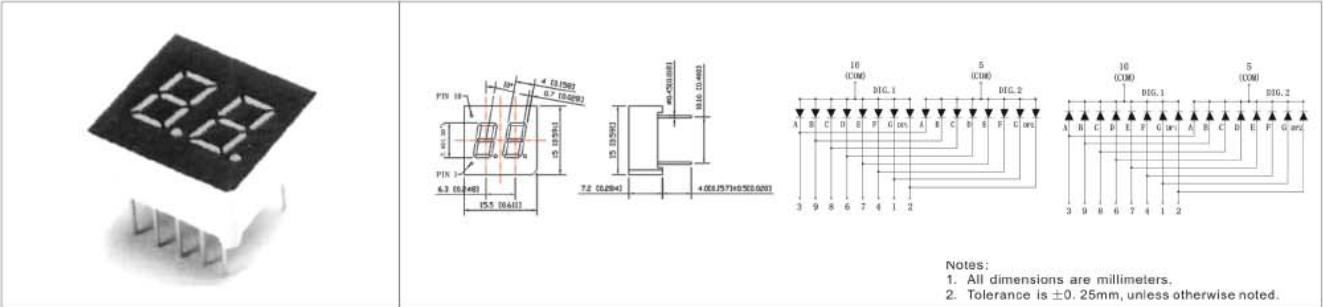




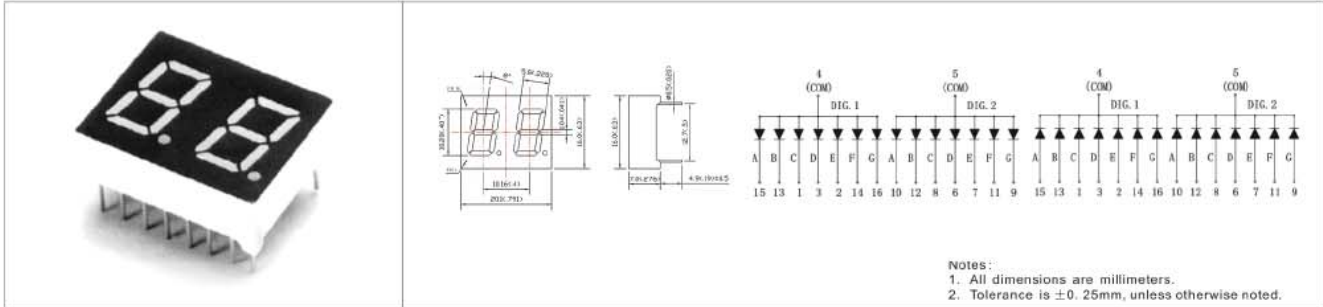
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-281XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-281XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-281XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-281XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



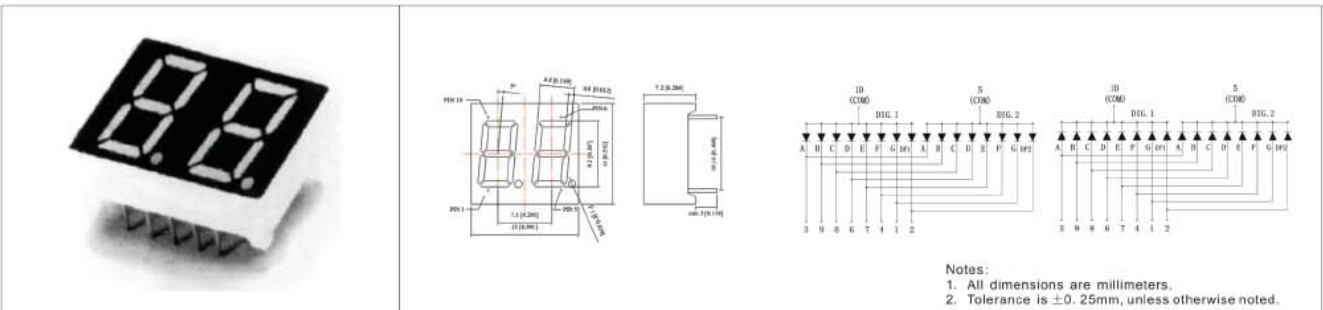
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-391XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-391XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-391XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-391XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



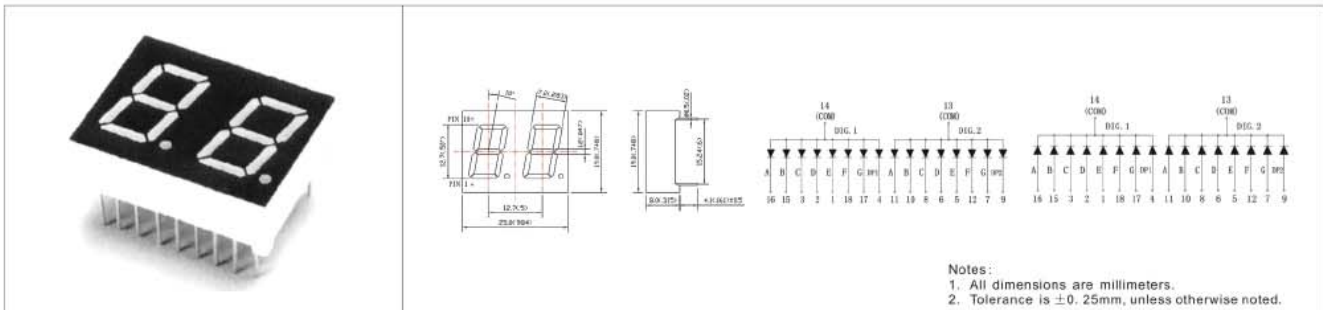
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-301XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-301XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-301XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-301XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



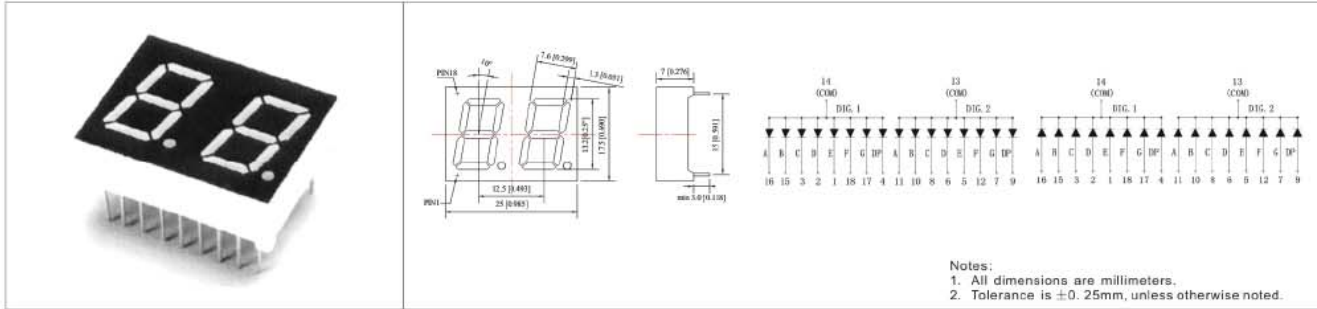
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-401XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-401XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-401XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-401XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



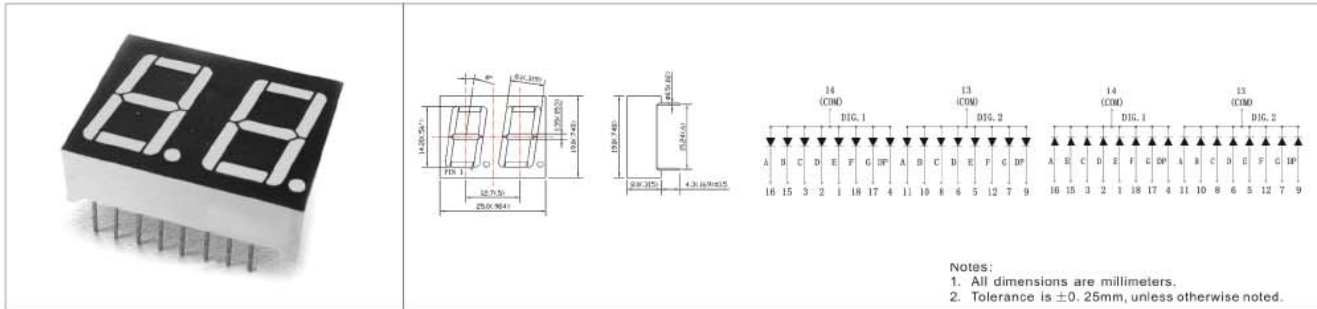
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-361XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-361XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-361XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-361XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



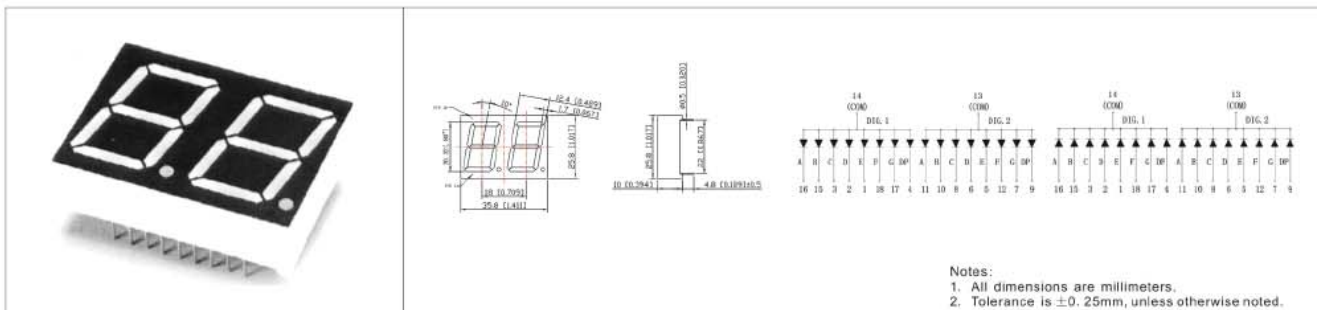
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-501XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-501XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-501XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-501XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



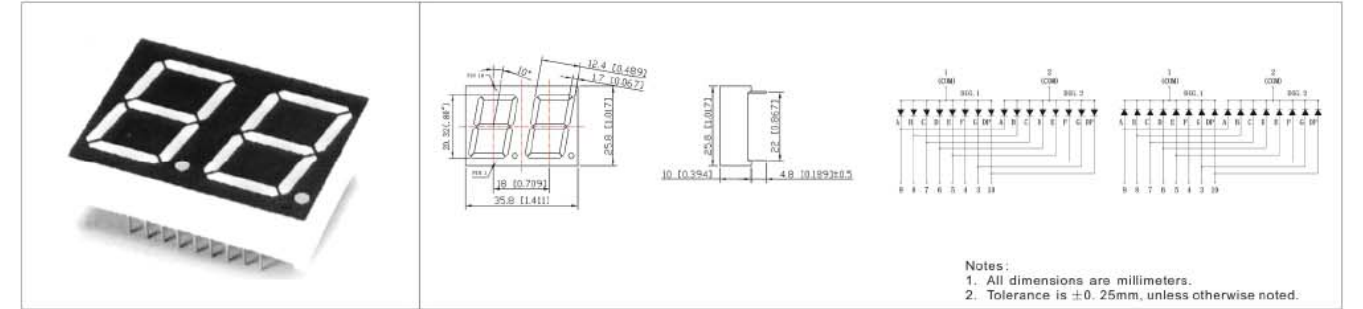
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-521XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-521XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-521XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-521XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



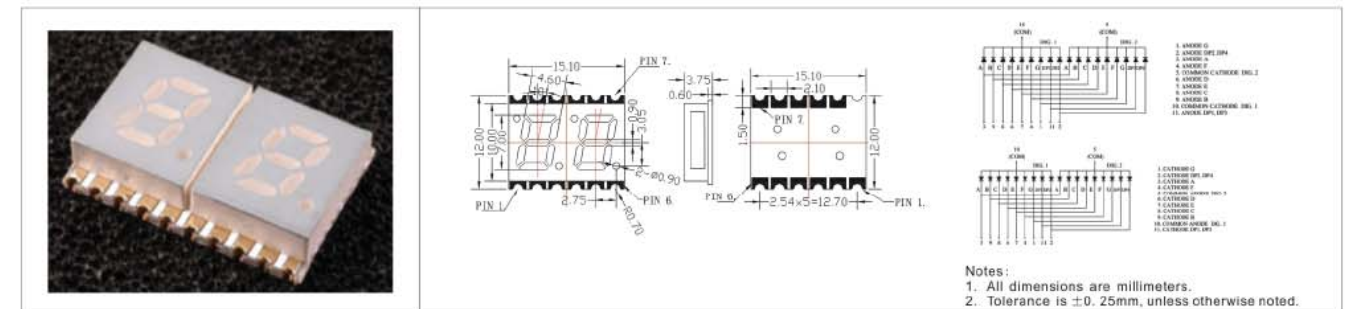
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-561XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-561XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-561XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-561XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



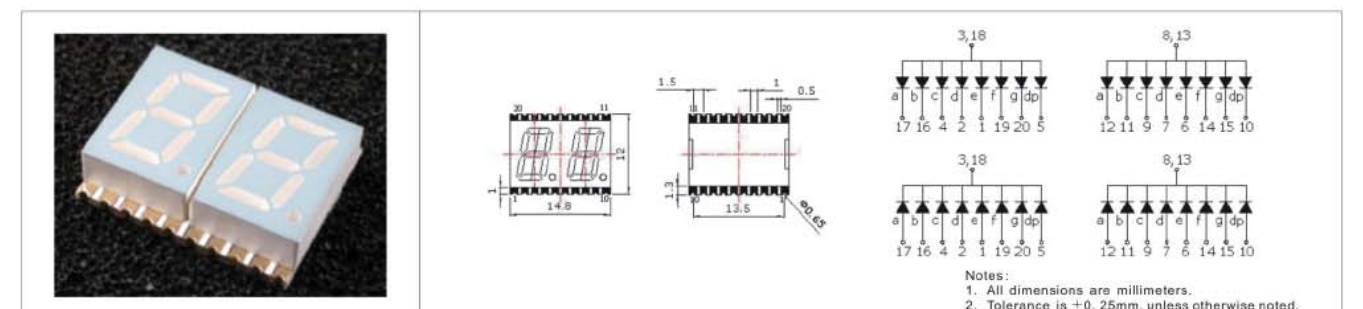
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-801XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-801XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-801XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-801XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



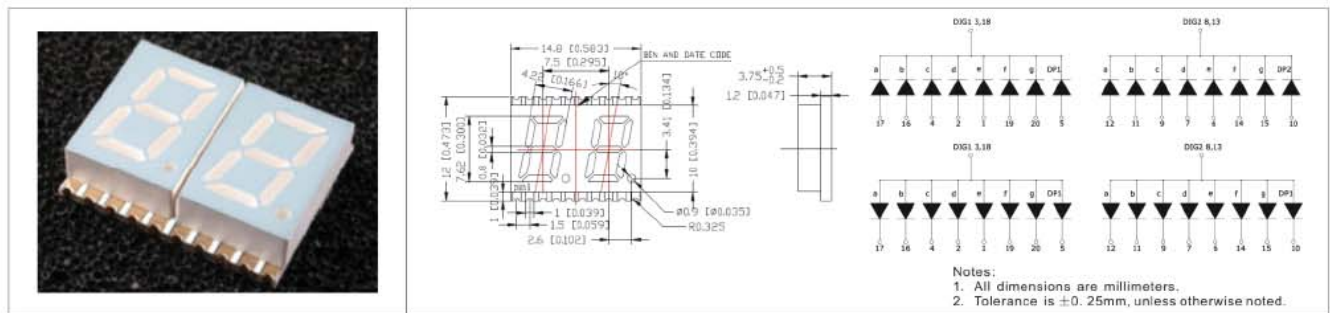
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-802XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL2-802XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL2-802XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL2-802XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



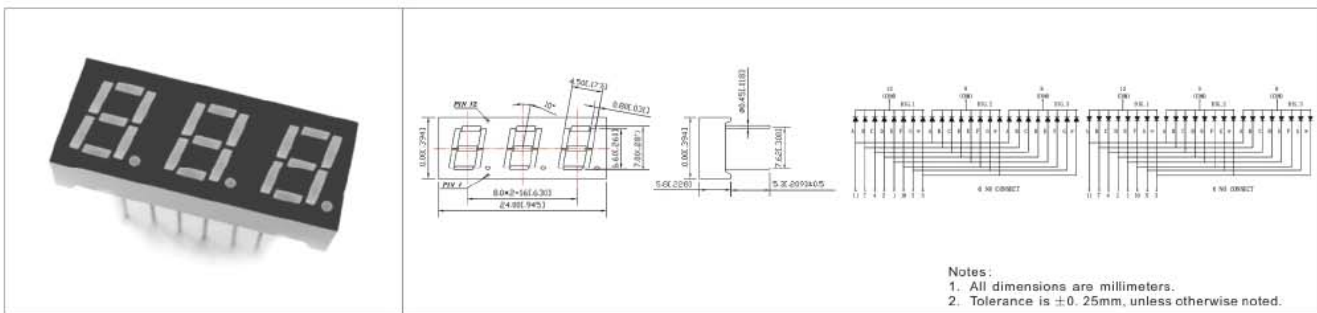
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-PCB281XSRA	Red	AlInGaP	Gray	Common Anode Common Cathode	624	3.6	2.0
BL2-PCB281XUGA	Yellow Green	AlInGaP	Gray	Common Anode Common Cathode	572	2.0	2.0



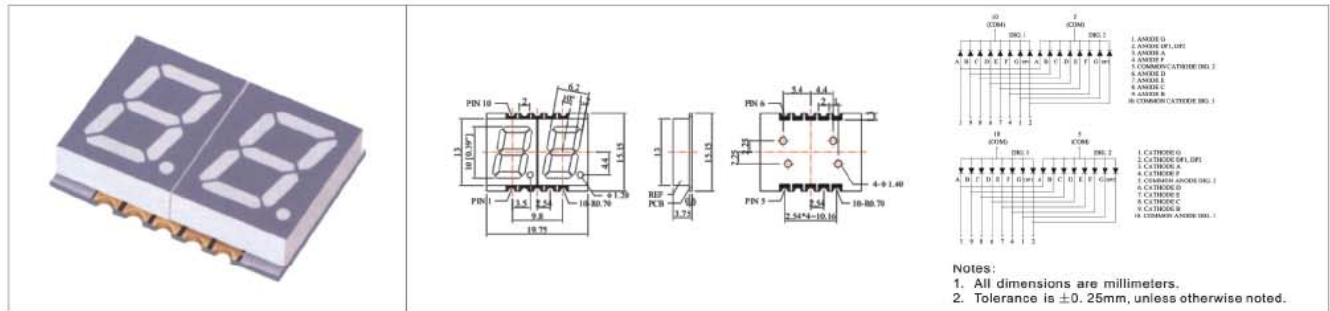
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-PCB301XSRA	Red	AlInGaP	Black	Common Anode Common Cathode	624	3.6	2.0
BL2-PCB301XUGB	Yellow Green	AlInGaP	Black	Common Anode Common Cathode	572	2.0	2.0



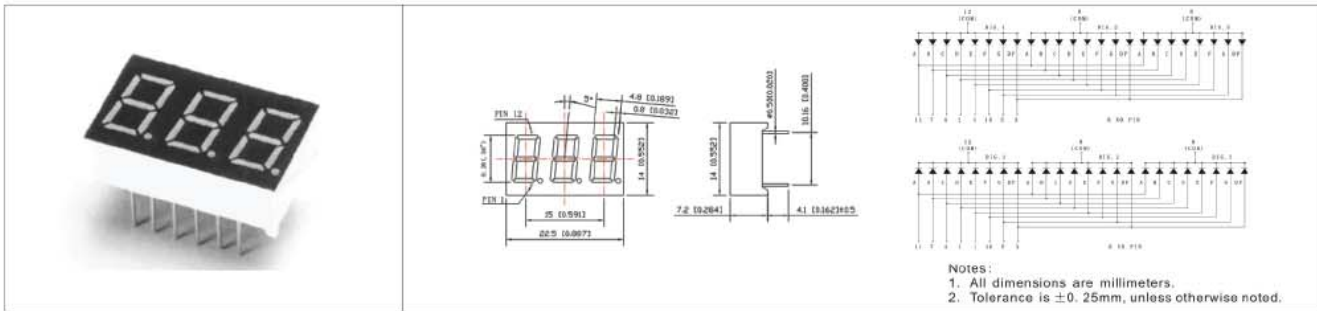
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-PCB302XSRB	Red	AlInGaP	Black	Common Anode Common Cathode	624	3.6	2.0
BL2-PCB302XUGB	Yellow Green	AlInGaP	Black	Common Anode Common Cathode	572	2.0	2.0



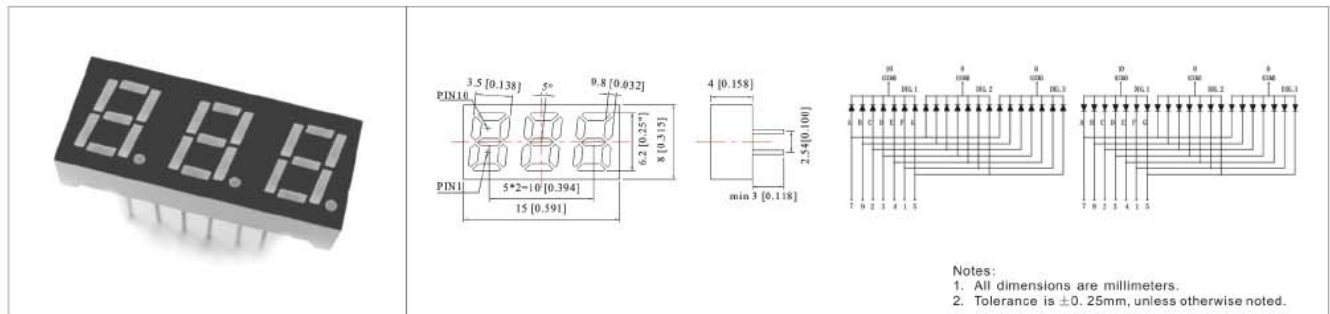
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-282XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-282XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-282XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-282XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



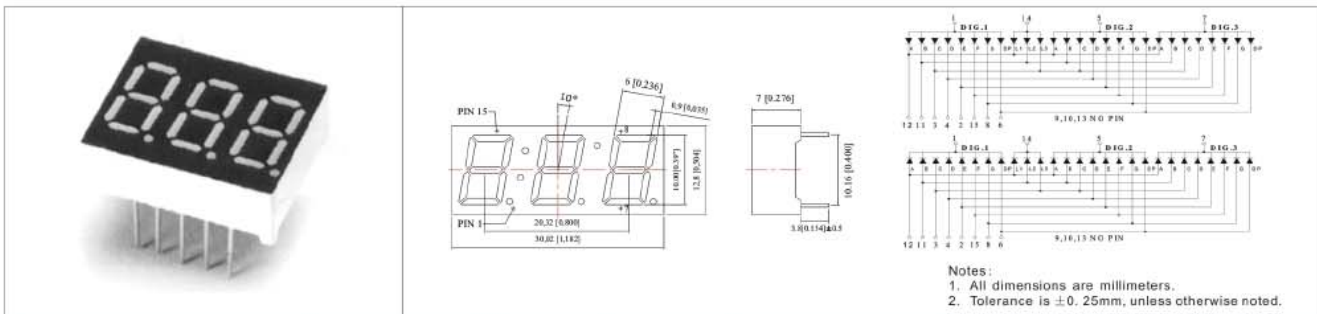
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL2-PCB391XSRB	Red	AlInGaP	Black	Common Anode Common Cathode	624	3.6	2.0
BL2-PCB391XUGB	Yellow Green	AlInGaP	Black	Common Anode Common Cathode	572	2.0	2.0



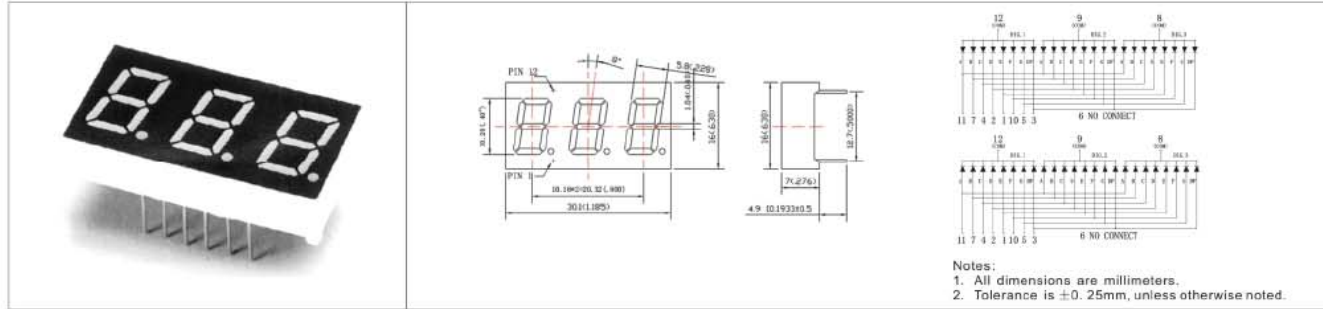
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-361XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-361XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-361XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-361XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



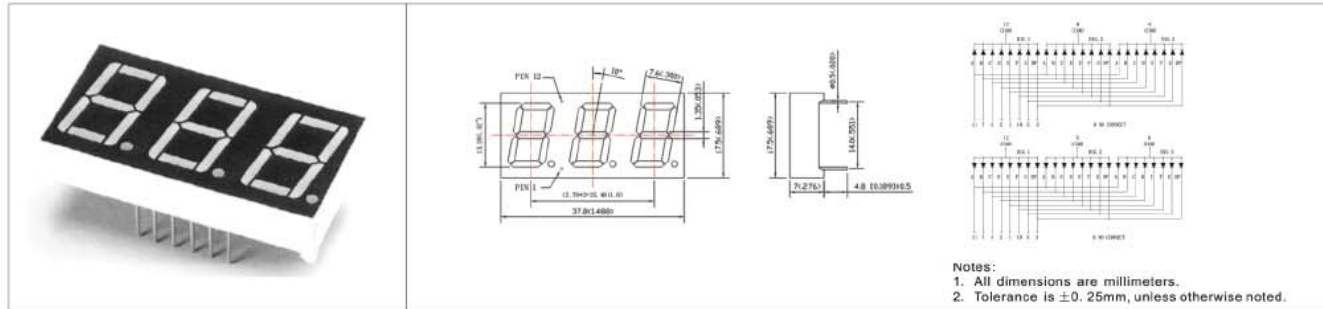
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-251XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-251XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-251XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-251XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



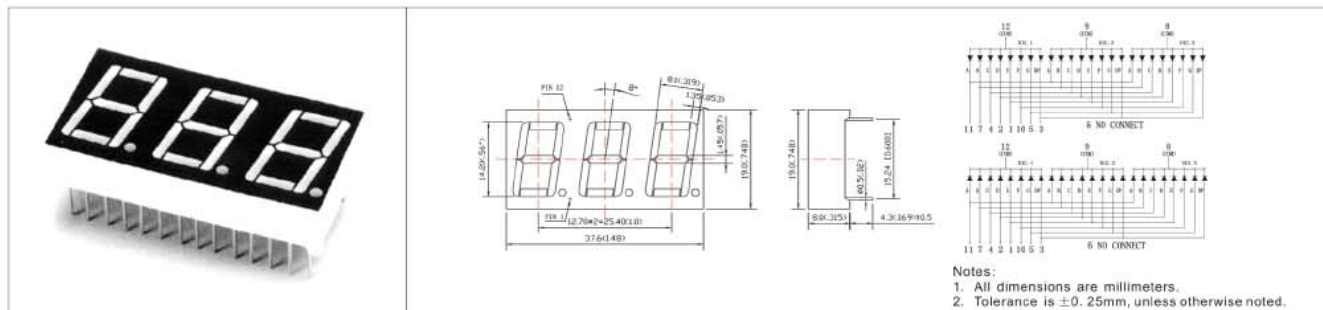
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-392XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-392XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-392XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-392XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



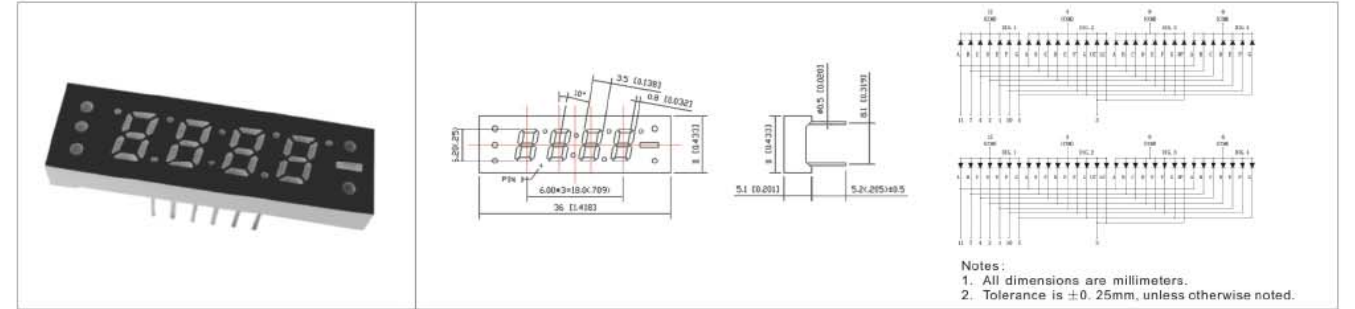
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-401XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-401XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-401XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-401XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



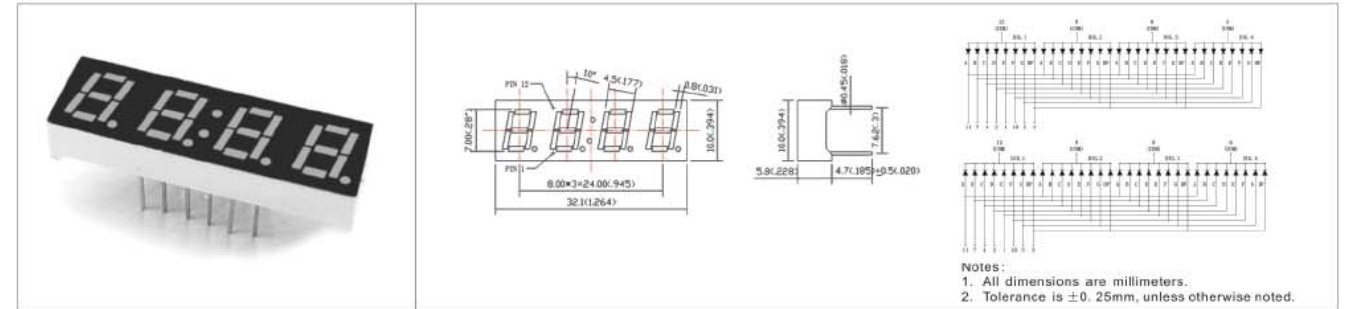
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-521XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-521XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-521XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-521XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



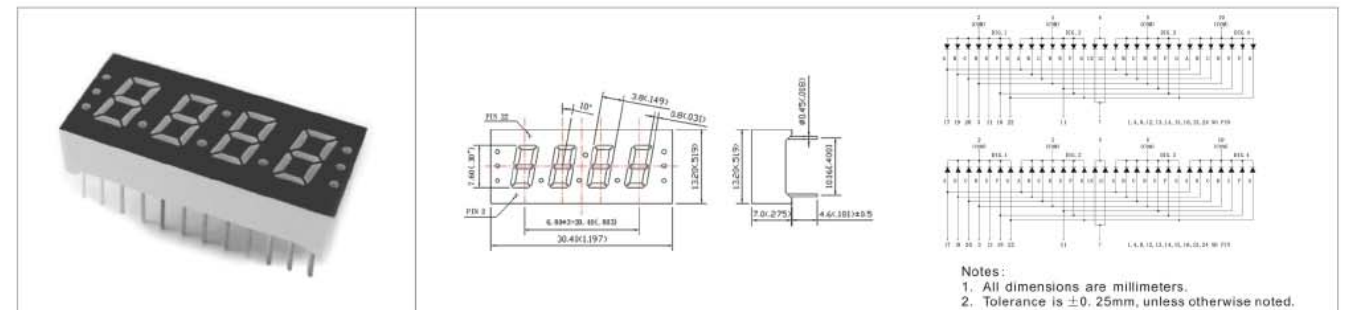
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL3-561XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL3-561XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL3-561XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL3-561XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



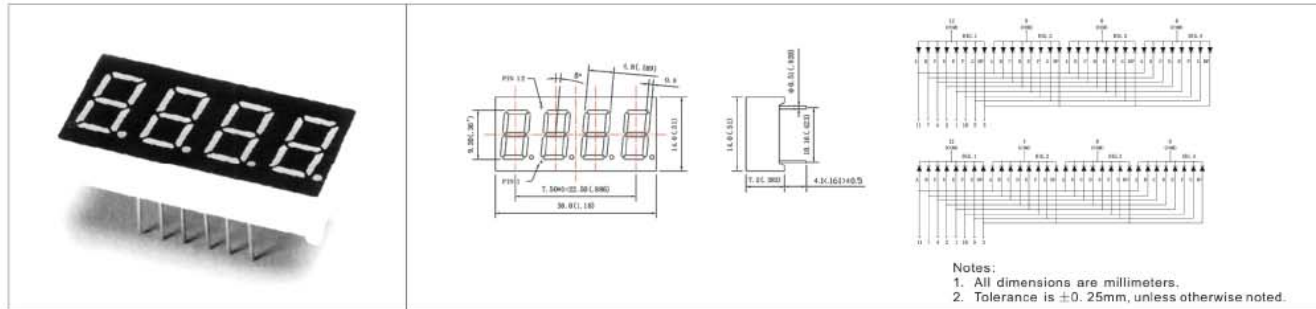
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-252XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-252XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-252XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-252XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



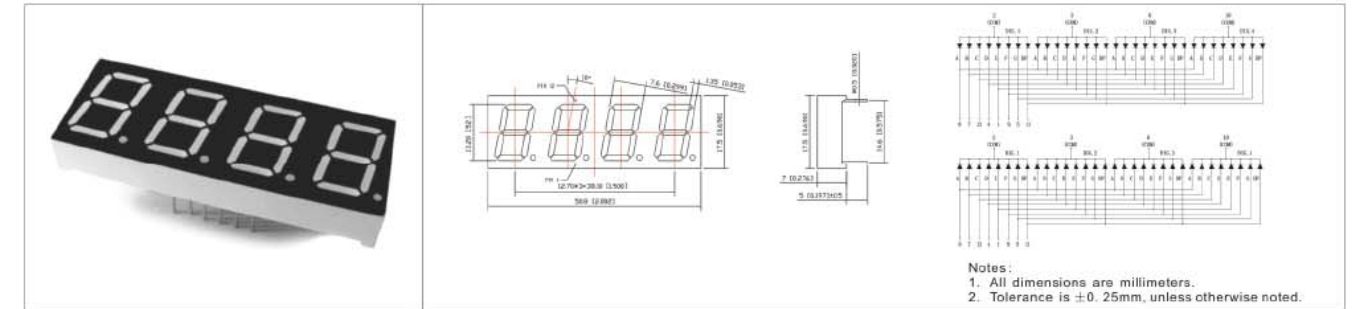
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-281XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-281XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-281XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-281XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



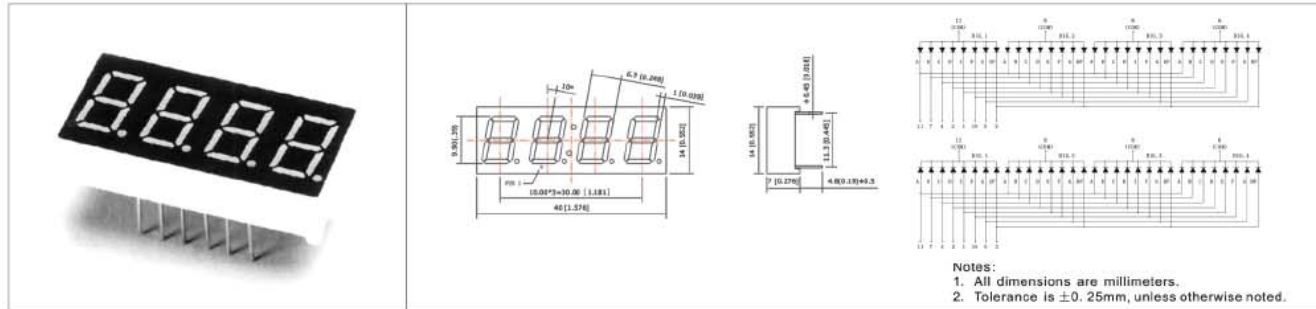
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-301XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-301XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-301XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-301XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



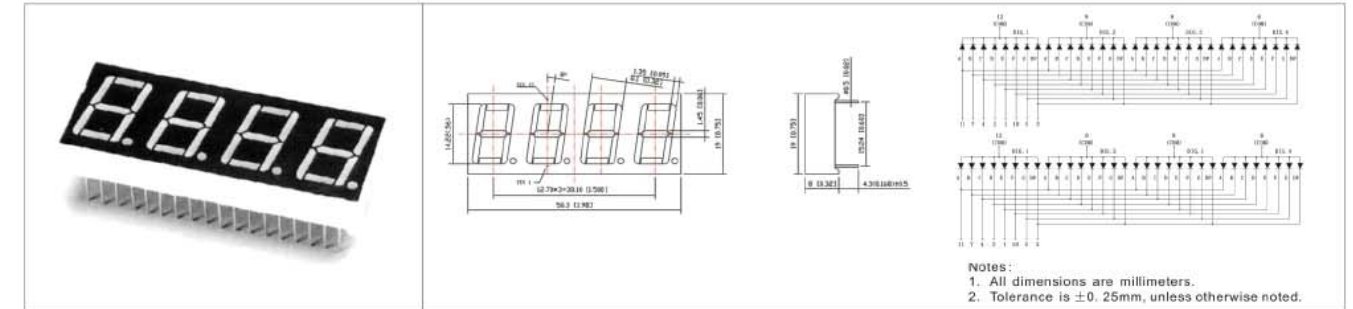
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-361XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-361XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-361XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-361XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



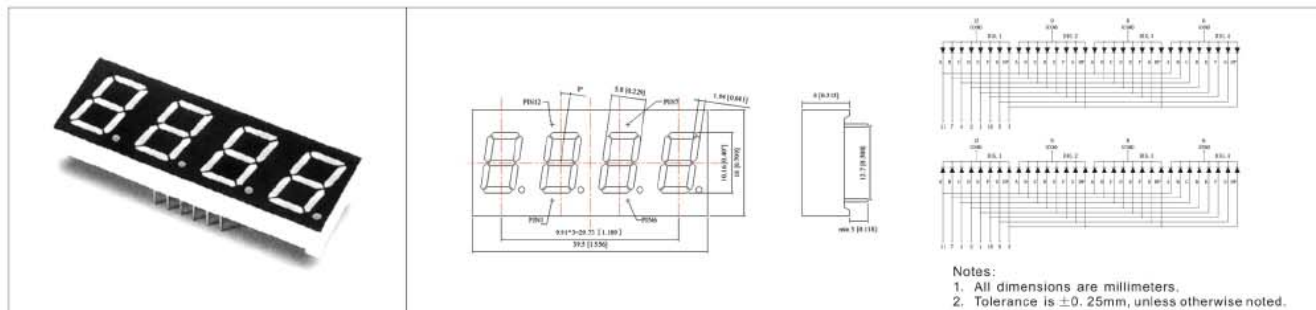
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-521XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-521XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-521XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-521XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



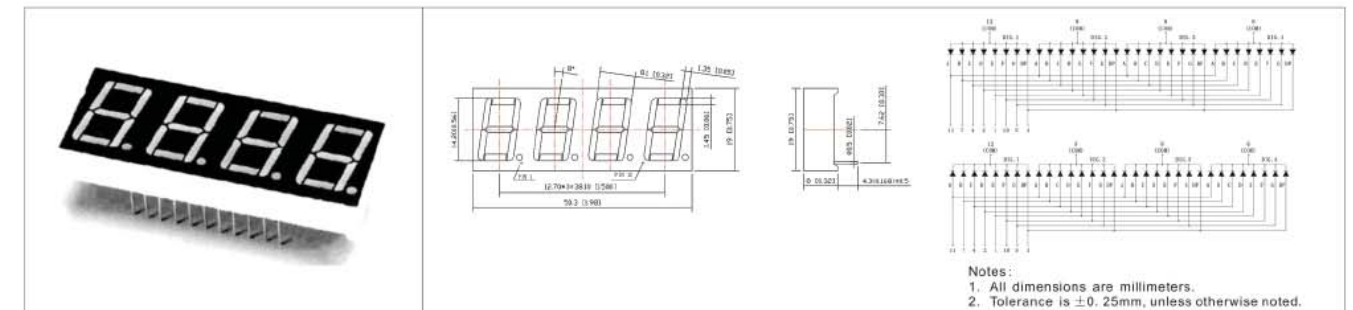
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-391XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-391XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-391XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-391XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



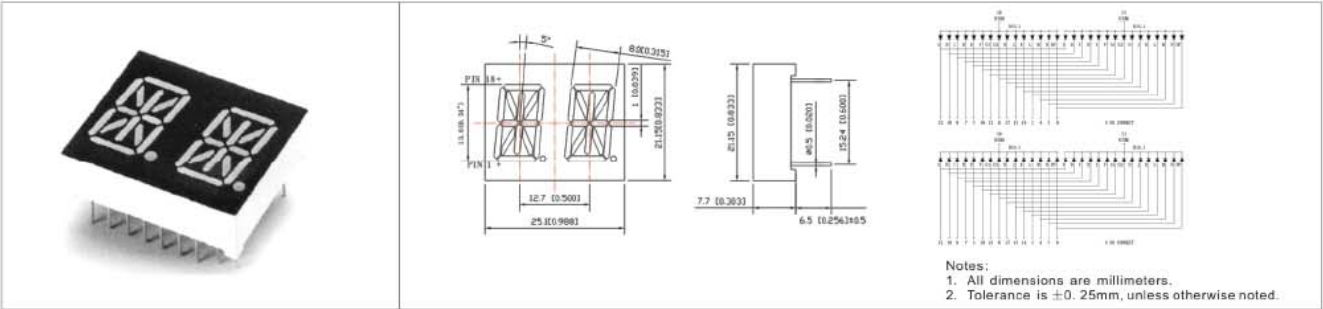
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-561XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-561XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-561XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-561XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



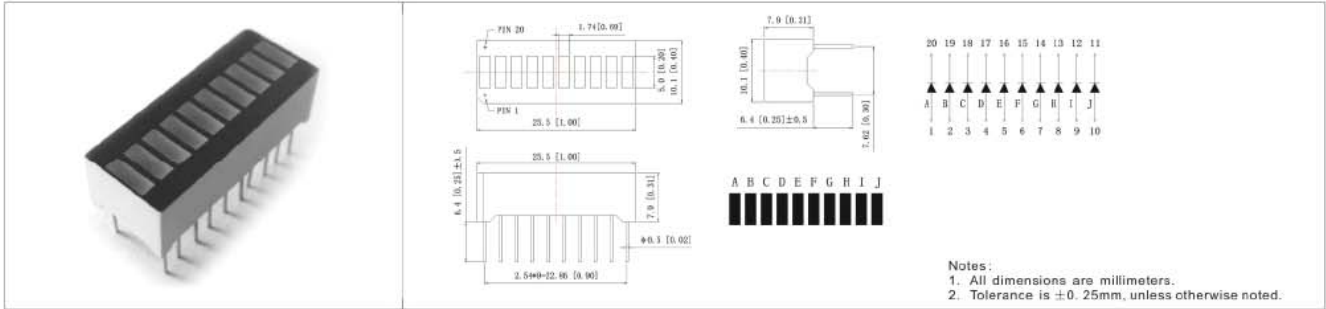
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-401XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-401XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-401XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-401XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



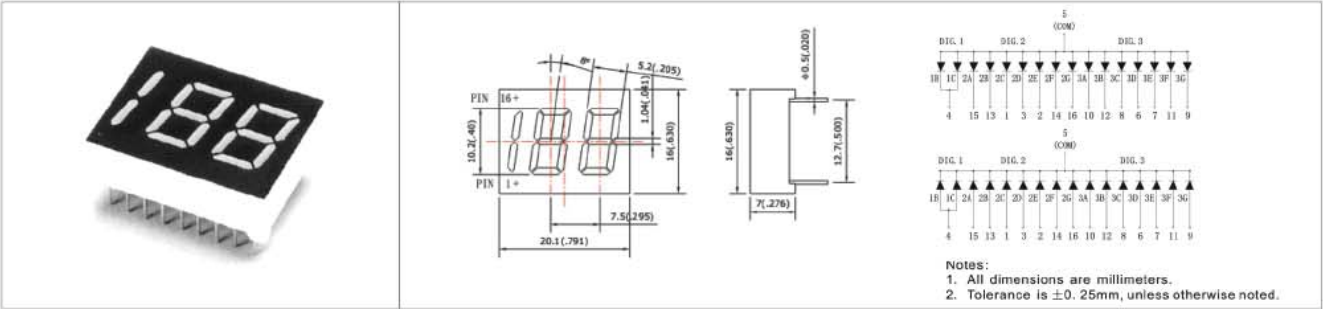
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BL4-563XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BL4-563XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BL4-563XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BL4-563XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



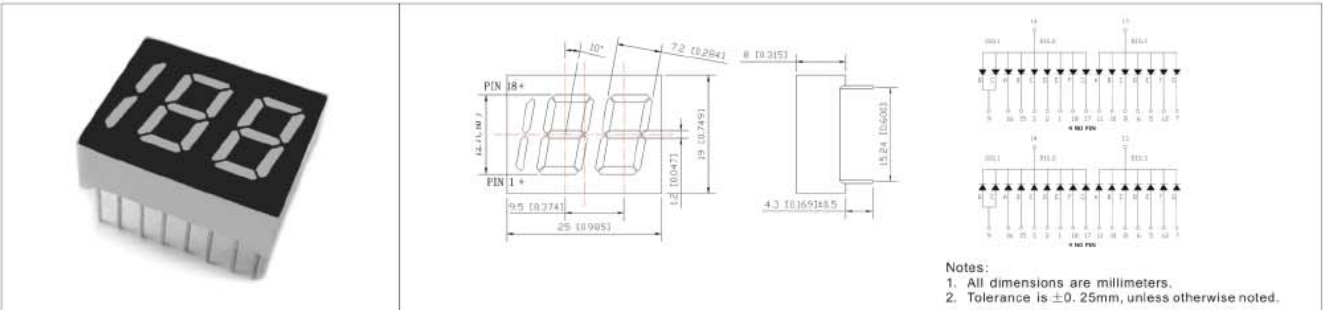
Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BLA-541XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BLA-541XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BLA-541XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BLA-541XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BLL-R1025GB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BLL-R1025RB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BLL-R1025BB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BLL-R1025WYB	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BLE-401XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BLE-401XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BLE-401XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BLE-401XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3



Part No.	Emitted Color	Chip Material	Face Type	Circuit Type	Wavelength λ_d (nm)	Iv (mcd)	Vf (V)
						Typ.	Typ.
BLE-501XRB	Red	GaAlAs	Black	Common Anode Common Cathode	640	3.6	2.0
BLE-501XGB	Yellow Green	GaP	Black	Common Anode Common Cathode	572	2.0	2.0
BLE-501XBB	Blue	InGaN	Black	Common Anode Common Cathode	470	4.0	3.3
BLE-501XWY	White	InGaN	Black	Common Anode Common Cathode	0.30/0.31	10	3.3