

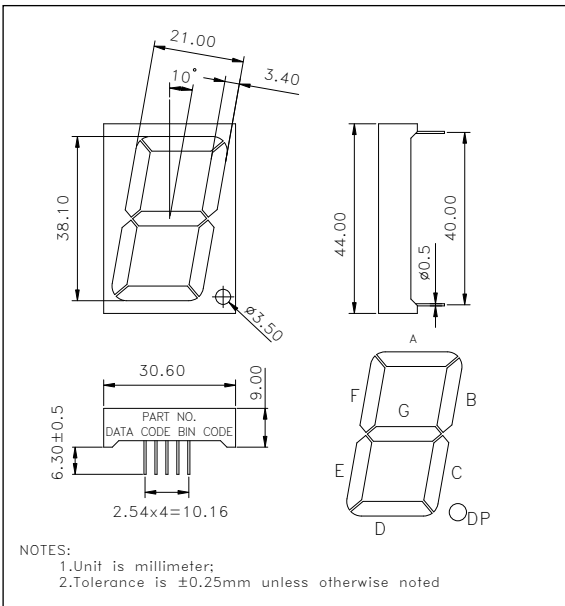
1.5" Single Digit Numeric Dual Color LED Display



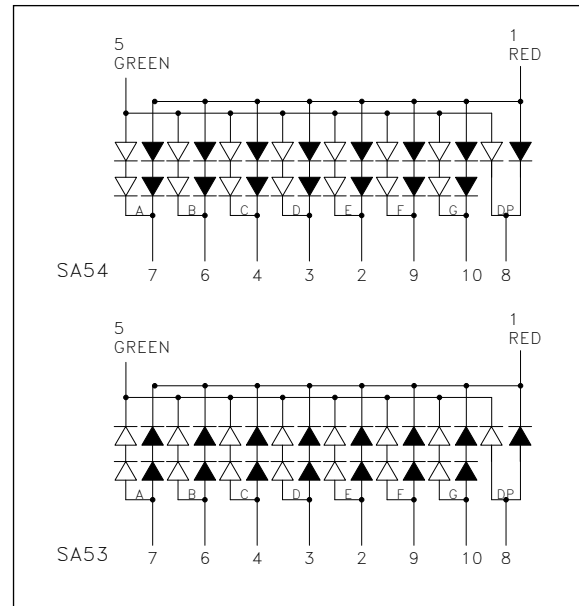
1.5" (38.1mm) digit height
 • ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

• PACKAGE DIMENSIONS



• INTERNAL CIRCUIT DIAGRAM



• ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
SA540EG...	RED ORANGE	632/622	35	CA	3.2	8.0	10	4	20
	GREEN	568/570	30		3.2	8.0	10	4.2	20
SA540SU...	SR RED	660/643	20	CA	5.0	12.0	10	3.6	20
	GREEN	568/570	30		3.2	8.0	10	4.2	20

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available



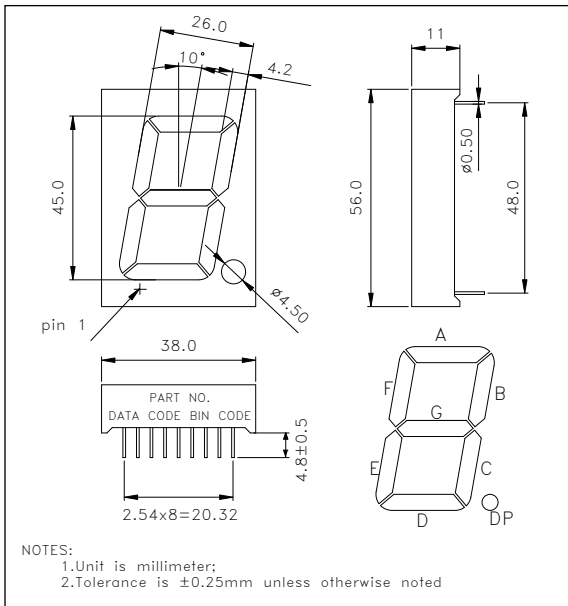
1.8" Single Digit Numeric Dual Color LED Display

1.8" (45.0mm) digit height

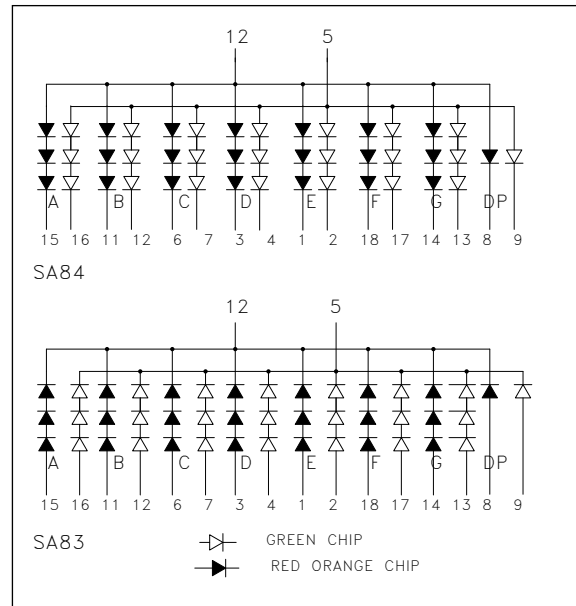
● ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min.(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
SA840EG...	RED ORANGE	632/622	35	CA	4.0	10.0	10	6	20
	GREEN	568/570	30		4.0	10.0	10	6.3	20
SA840SU...	SR RED	660/643	20	CA	6.0	15.0	10	5.4	20
	GREEN	568/570	30		4.0	10.0	10	6.3	20

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available

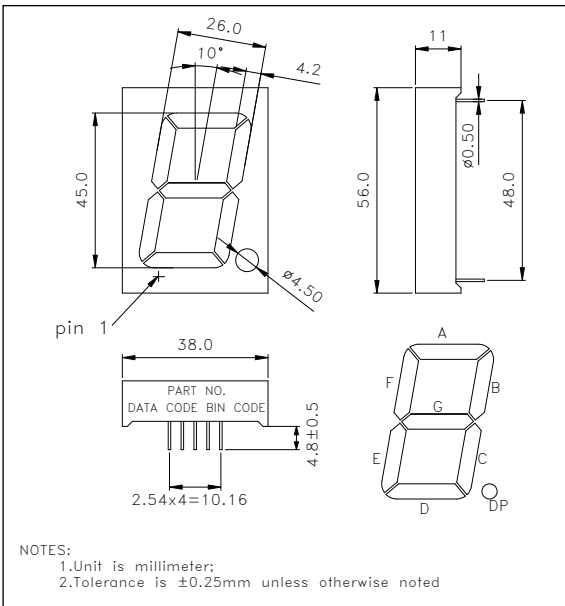
1.8" Single Digit Numeric Dual Color LED Display



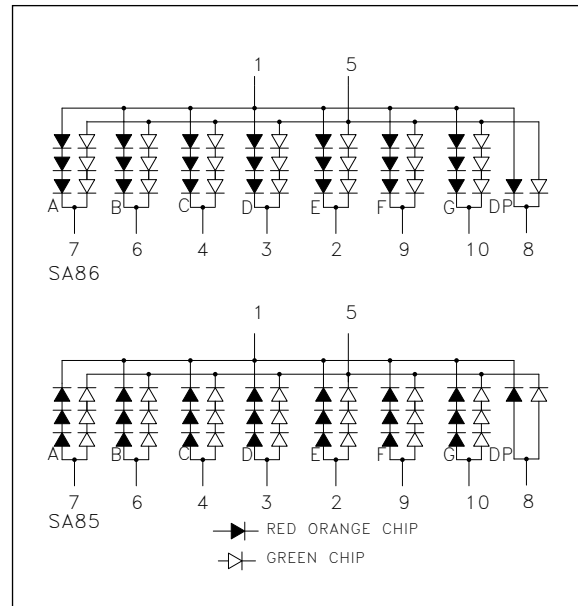
1.8" (45.0mm) digit height
 ● ABSOLUTE MAXIMUM RATINGS : (T_a=25°C)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ I _F (mA)	Typ.(V)	@ I _F (mA)
SA860EG...	RED ORANGE	632/622	35	CA	4	10.0	10	6	20
	GREEN	568/570	30		4.0	10.0	10	6.3	20
SA860SU...	SR RED	660/643	20	CA	6.0	15.0	10	5.4	20
	GREEN	568/570	30		4.0	10.0	10	6.3	20

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available



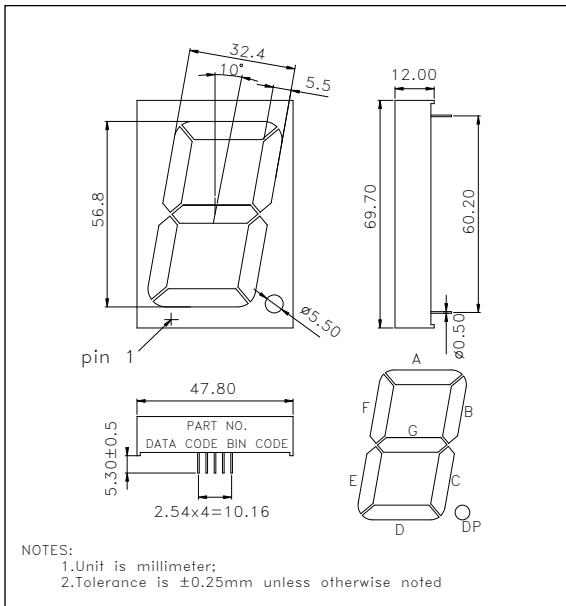
2.3" Single Digit Numeric Dual Color LED Display

2.3" (56.8mm) digit height

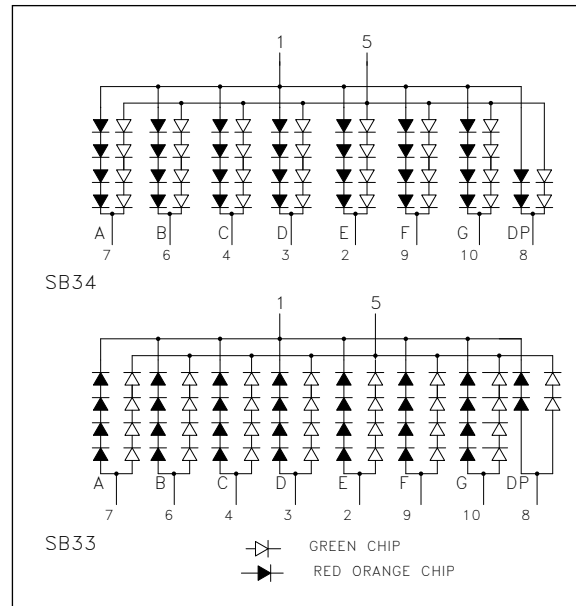
● ABSOLUTE MAXIMUM RATINGS : (T_a=25°C)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

● PACKAGE DIMENSIONS



● INTERNAL CIRCUIT DIAGRAM



● ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
SB340EG...	RED ORANGE	632/622	35	CA	5	12.0	10	8	20
	GREEN	568/570	30		5.0	12.0	10	8.4	20
SB340SU...	SR RED	660/643	20	CA	9.0	22.0	10	7.2	20
	GREEN	568/570	30		5.0	12.0	10	8.4	20

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available

2.3" Single Digit Numeric Dual Color LED Display

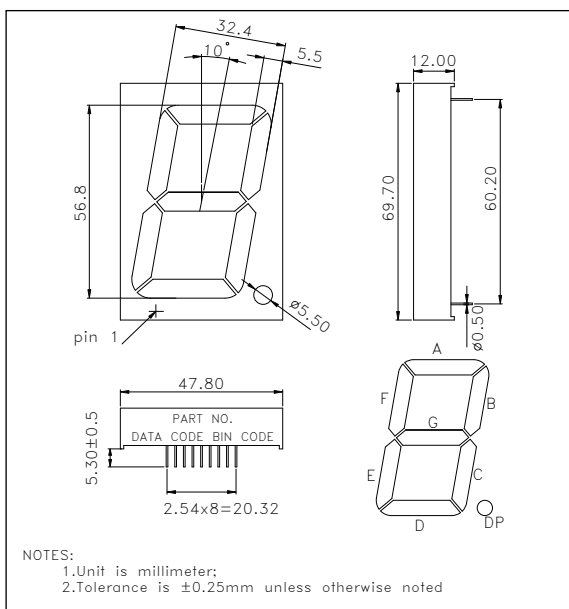


2.3" (56.8mm) digit height

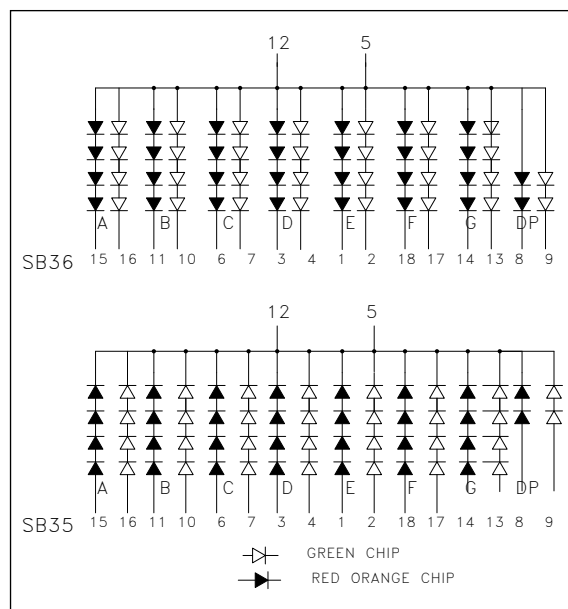
• ABSOLUTE MAXIMUM RATINGS : (Ta=25°C)

PARAMETER	SR RED	RED ORANGE	GREEN	UNIT
Power Dissipation Per Seg	72	65	65	mW
Peak Forward Current Per Seg (1/10 Duty Cycle, 0.1ms Pulse Width)	125	100	100	mA
Continuous Forward Current Per Seg	30	25	25	mA
Derating Linear From 25°C Per Seg	0.42	0.33	0.33	mA/°C
Reverse Voltage Per Seg	5	5	5	v
Operating Tem Range	-35°C to + 85°C			
Storage Tem Range	-35°C to + 85°C			
Solder Tem 1/16 inch Below Seating Plane at 260°C for 3 seconds				

• PACKAGE DIMENSIONS



• INTERNAL CIRCUIT DIAGRAM



• ELECTRICAL/OPTICAL CHARACTERISTICS

PART NO.	COLOR	λ_p/λ_d (nm)	Half-Spectral Width($\Delta\lambda$)	Description	AVERAGE LUMINOUS INTENSITY			FORWARD VOLTAGE	
					Min.(mcd)	Typ.(mcd)	@ IF(mA)	Typ.(V)	@ IF(mA)
SB360EG...	RED ORANGE	632/622	35	CA	6	14.0	10	8	20
	GREEN	568/570	30		6.0	14.0	10	8.4	20
SB3600SU...	SR RED	660/643	20	CA	9.0	22.0	10	7.2	20
	GREEN	568/570	30		6.0	14.0	10	8.4	20

Notes : These components are also available in :

- Low Current
- InGaN high intensity blue, blue-green, green, white are available