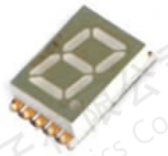
SD1-401UR-A21



Features

·High Reliability

·Color:Red

·Low Power Requirement

·Easy Assembly

·Dual Digit Display

·Black Face and White Epoxy

Applications

·Audio equipment

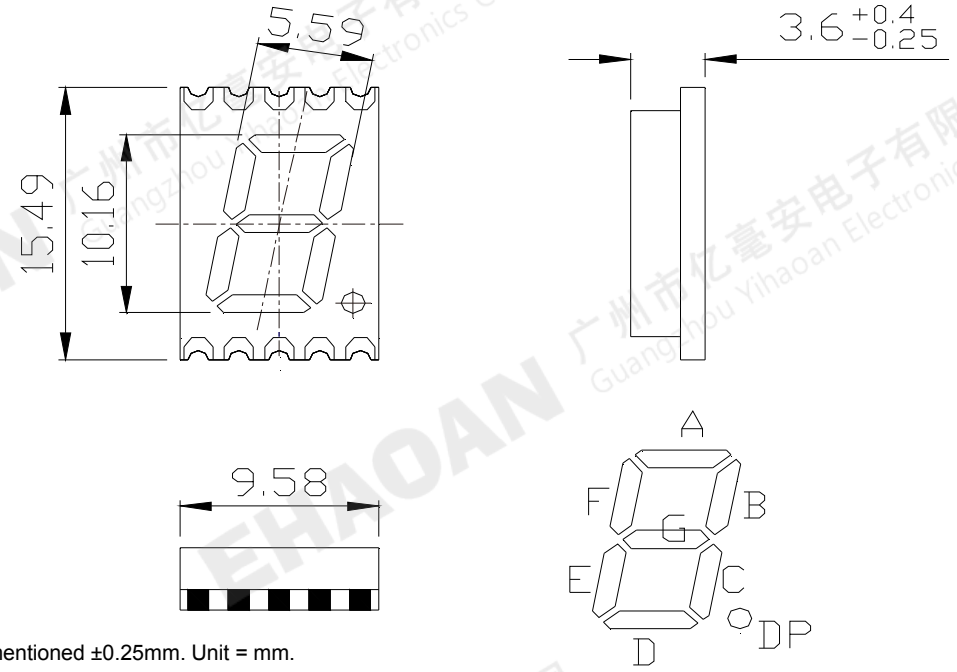
·Instrument panels.

·Digital read out display.

Device Selection Guide

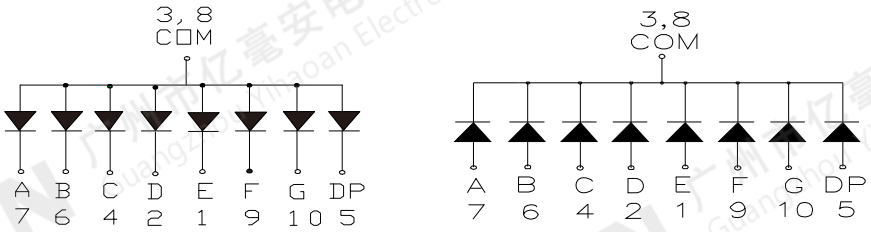
Digit	Digit Size	Color	Manufacturer
Single Digit Display	10.16mm(0.40”)	Red	EHAOAN

Package Dimensions



Note: Tolerances unless mentioned ±0.25mm. Unit = mm.

Circuit Diagram



SD1-401XX-A21 SD1-401XX-C21

Pin Connection

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode Digit E	6	Cathode Digit B
2	Cathode Digit D	7	Cathode Digit A
3	Common Anode Digit	8	Common Anode Digit
4	Cathode Digit1 C	9	Cathode Digit F
5	Cathode Digit1 DP	10	Cathode Digit G

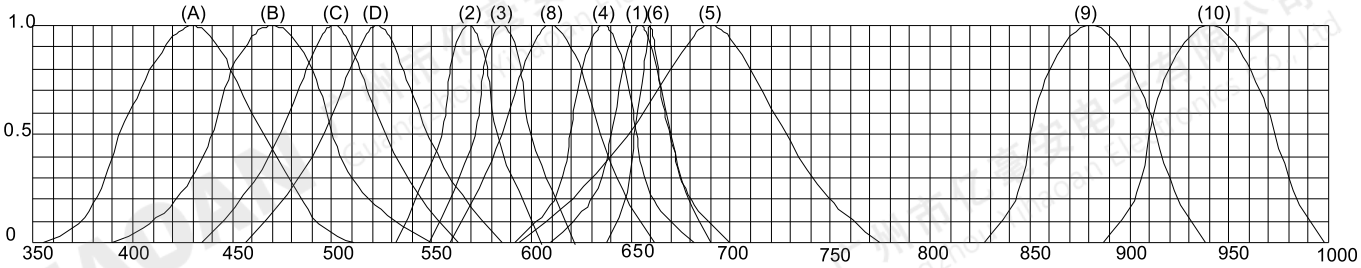
Absolute Maximum Ratings(Ta=25°C)

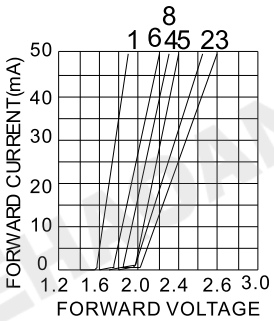
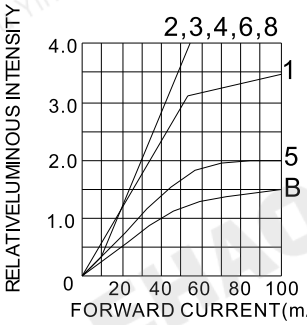
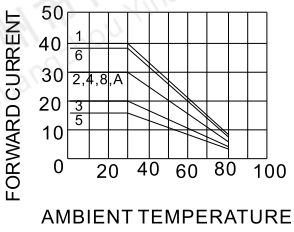
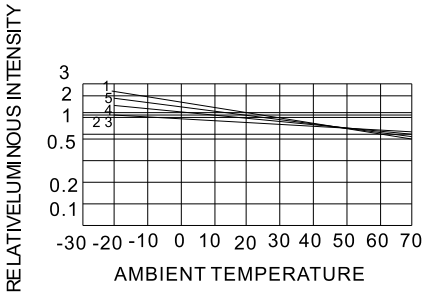
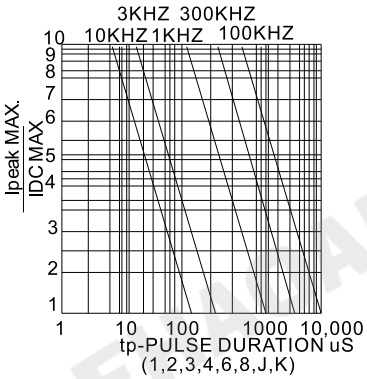
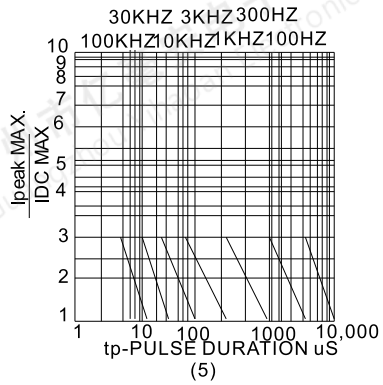
Parameter	Symbol	Rating	Unit
Power Dissipation	P_d	72	mW
Forward Current	I_F	20	mA
Peak Forward Current	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-35~+85	°C
Storage Temperature	T_{stg}	-35~+85	°C

Electrical/Optical Characteristics Rating(Ta=25℃)

Parameter	Symbol	Min	Type	Max	Unit	Condition
Forward Voltage	V_F	1.8	--	2.3	V	I_F =10mA
Reverse Current	I_R	--	--	100	uA	VR=5V
Luminous Intensity	I_V	--	3	--	mcd	I_F =10mA
Dominant Wavelength	λ_d	628	--	637	nm	I_F =10mA
Spectral Line Half-Width	$\Delta\lambda$	---	20	---	nm	I_F =10mA
Luminous Intensity MatchingRatio	I_{V-M}	--	--	2:1	--	I_F =10mA

Typical Characteristics Curves



(1)–GaAsP/GaAs 655nm/Red
(2)–Gap 568nm/Yellow Green
(3)–GaAsP/GaP 585nm/Yellow
(4)–GaAsP/Gap 635nm/Orange&Hi–Eff Red
(5)–GaP 700/Bright Red
(6)–GaAlAs/GaAs 660nm/Super Red
(8)–GaAsP/GaP 610nm/Super Red

(9)–GaAlAs 880nm
(10)–GaAs/GaAs&GaAlAs/GaAs 940nm
(A)–GaN/SiC 430nm/Blue
(B)–InGaN/SiC 470nm/Blue
(C)–InGaN/SiC 502nm/Ultra Green
(D)–InGaAl/SiC 523nm/Ultra Green