

Tester : OPTO Meter S370@20mA

PIN FUNCTION	COMMON ANODE			COMMON CATHODE			WAVE LENGTH	IR MAX (uA)	VF (V)	LUMINOUS INTENSITY
	A	C	E	B	D	F				
EMITTING COLOR	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	MODEL NO.	(nm)	VR=5V	IF=20mA	IF=20mA
GaP RED	A5618H		A5617H	C5618H		C5617H	695	100	2.2	0.4mcd
GaAsp ORANGE RED	A5618O	A5619C	A5617O	C5618O	C5619C	C5617O	630	100	2.0	2.5mcd
GaP GREEN	A5618G		A5617G	C5618G		C5617G	570	100	2.2	4.5mcd
GaP YELLOW	A5618Y		A5617Y	C5618Y		C5617Y	600	100	2.2	2.5mcd
GaAIAS RED	A5618RS		A5617RS	A5618RS		C5617RS	650	100	1.8	3.0mcd
GaAIAS RED										
GaAIAS YELLOW GREEN										
SIC BLUE	A5618SF		A5617SF	C5618SF		C5617SF	465±5	100	3.6	30mcd
ZNSE WHITE	A56183		A56173	C56183		C56173	485+	100	3.0	2.5mcd

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
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A5618RS	0.56 INCH SINGLE DIGIT STANDARD RED COMMON ANODE		
SURFACE COLOR	BLACK SURFACE WHITE SEGMENT	BLACK SURFACE RED SEGMENT	GRAY SURFACE WHITE SEGMENT
MODEL NO.	A5618RS - BW	A5618RS - BR	A5618RS - GW
EMITTING COLOR	RED		
DICE	GaAlAs		

ABSOLUTE MAXIMUM RATINGS (最大極限值)

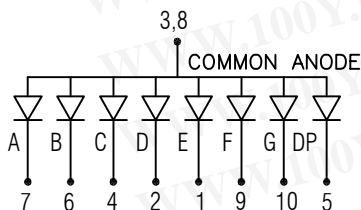
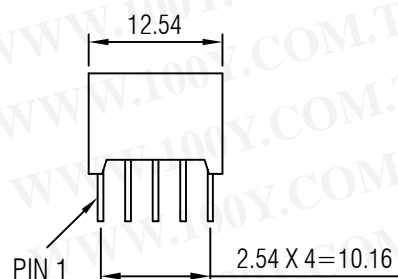
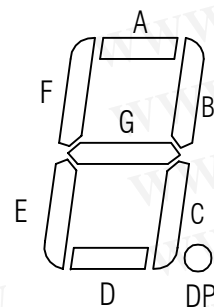
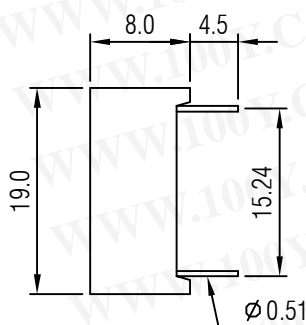
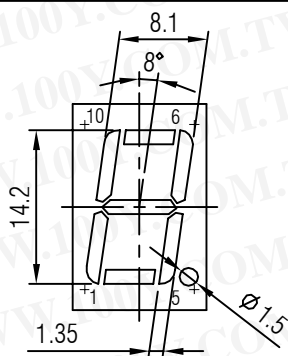
TA = 25°C

PARAMETER	SYMBOL	RATING	UNIT
POWER DISSIPATION	P AD	75	mW
DERATING LINEAR FROM 25°C		0.42	m/°C
CONTINUOUS FORWARD CURRENT	I AF	30.0	mA
PEAK FORWARD CURRENT (DUTY CYCLE 1/10, 10KHZ)	I PF	200.0	mA
REVERSE VOLTAGE	V R	5.0	V
OPERATING TEMPERATURE	T OPR	-25°C TO +85°C	
STORAGE TEMPERATURE	T STG	-25°C TO +85°C	
SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 250°C			

ELECTRO - OPTICAL CHARACTERISTICS (電性)

TA = 25°C

PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V F	I F = 20mA	—	1.8	—	V
LUMINOUS INTENSITY	I V	I F = 20mA	—	3.0	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	650	—	nm
REVERSE CURRENT	I P	I F = 5mA	—	—	100	μA



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UNIT : mm

TOLERANCE : ±0.2mm

Amended Date :

2003 / OCT / 17 / 13 : 34

A

S.56A	0.56 INCH (14.2mm) SINGLE DIGIT STANDARD GREEN COMMON ANODE 19.0 X 12.54 X 8.0mm	
SURFACE COLOR	BLACK SURFACE WHITE SEGMENT	GRAY SURFACE WHITE SEGMENT
MOLDE NO.	A5618G - BW	A5618G - GW
EMITTING COLOR	GREEN	
DICE	GaP	

ABSOLUTE MAXIMUM RATINGS (最大極限值)

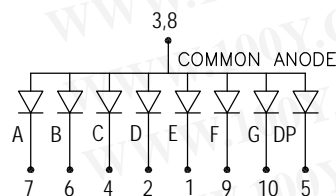
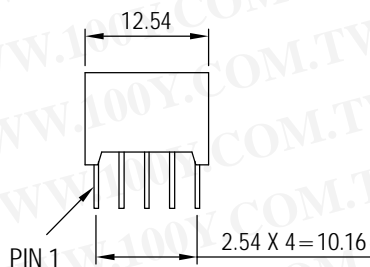
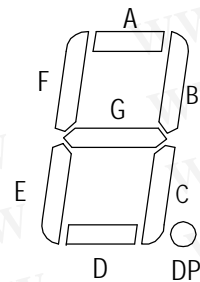
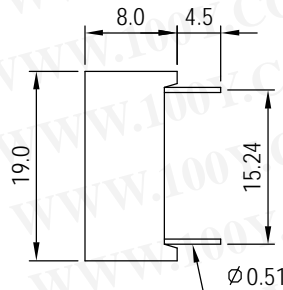
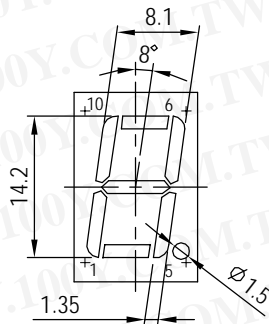
TA = 25 °C

PARAMETER	SYMBOL	RATING	UNIT
POWER DISSIPATION	P AD	44.0	mW
DERATING LINEAR FROM 25 °C		0.27	m / °C
CONTINUOUS FORWARD CURRENT	I AF	20.0	mA
PEAK FORWARD CURRENT (DUTY CYCLE 1 / 10 , 10KHZ)	I PF	90.0	mA
REVERSE VOLTAGE	V R	5.0	V
OPERATING TEMPERATURE	T OPR	-25 °C TO + 85 °C	
STORAGE TEMPERATURE	T STG	-25 °C TO + 85 °C	
SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 °C OR 3 SECONDS AT 250 °C			

ELECTRO - OPTICAL CHARACTERISTICS (電性)

TA = 25 °C

PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE	V F	I F = 20mA	—	2.2	—	V
LUMINOUS INTENSITY	I V	I F = 20mA	—	4.5	—	mcd
PEAK EMISSION WAVELENGTH	λ P	I F = 20mA	—	570	—	nm
REVERSE CURRENT	I P	I F = 5mA	—	—	100	μ A



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UNIT : mm

TOLERANCE : ± 0.2 mm

REV : A