

User's Guide

D0119LT-29-1901

VFD- **RoHS Compliant**

(Vacuum Fluorescent Display Module)

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Vacuum Fluorescent Display Specification

PART NUMBER: **D0119LT-29-1901**

FEATURES: 19 Digits, 7-Segmented, Instrumentation, Decimal Point, Comma

APPLICATION: Character Display (7-Segmented)

RATINGS: Below

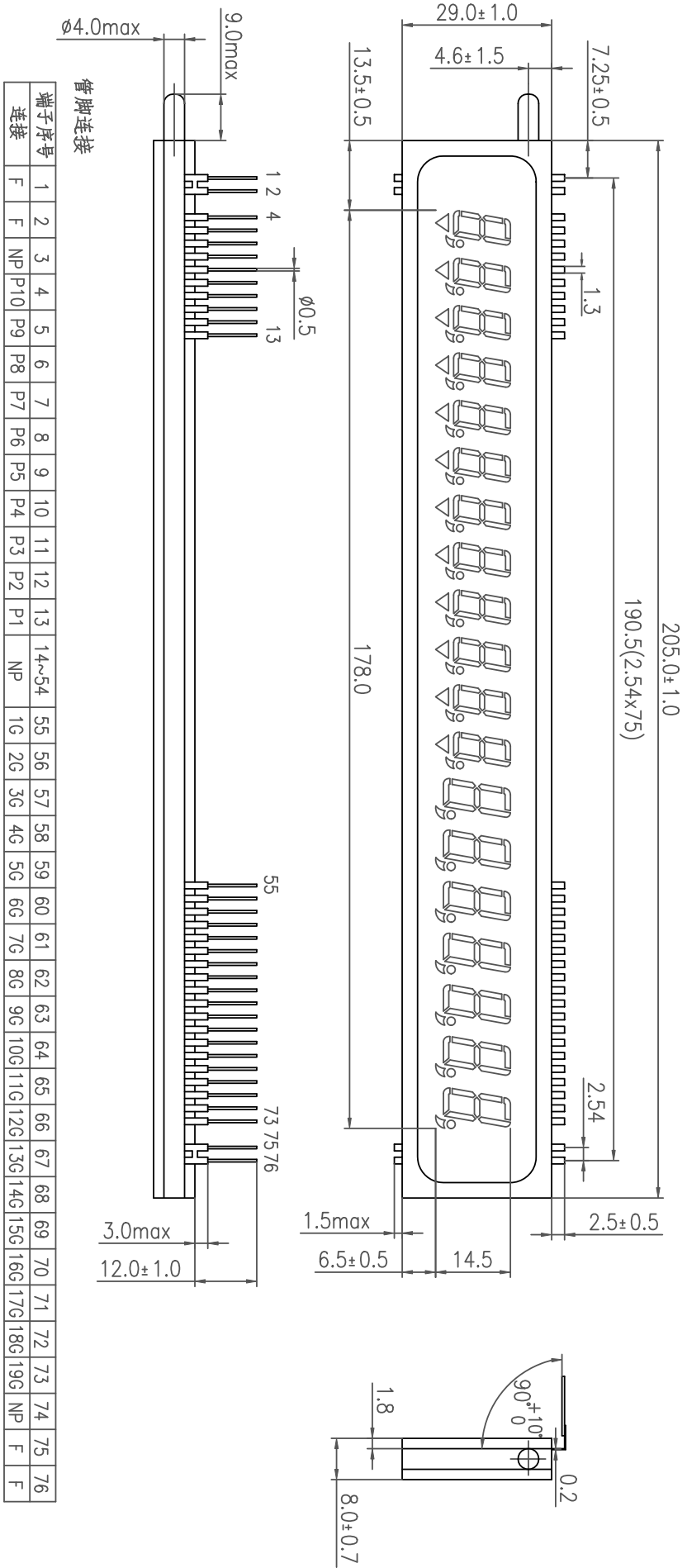
Outer Dimensions	Panel Length	P.L.	205.0	mm
	Panel Height	P.H.	29.0	mm
	Panel Thickness	P.T.	8.0	mm
Leads	Lead Pitch	L.P.	2.54	mm
	Lead Out	-	SIL	
Character Size	Character Height	C.H.	11.0 / 13.0	mm
	Character Width	C.W.	4.9 / 5.5	mm
Item	Symbol	Min.	Recommended	Max. Unit
Filament Voltage	Ef	7.65	8.5	9.35 Vac
Peak Grid Voltage	ec	-	42.0	46.0 Vp-p
Peak Anode Voltage	eb	-	42.0	46.0 Vp-p
-	tp	-	-	-
Duty Cycle	Du	-	1/21	-
Pulse Width	tp	-	100	- uS
Operating Temperature	Topr	-40	-	+85 C
Storage Temperature	Tstg	-50	-	+ 95 C
Color of Illumination	Green			

**Electrical
Characteristics**

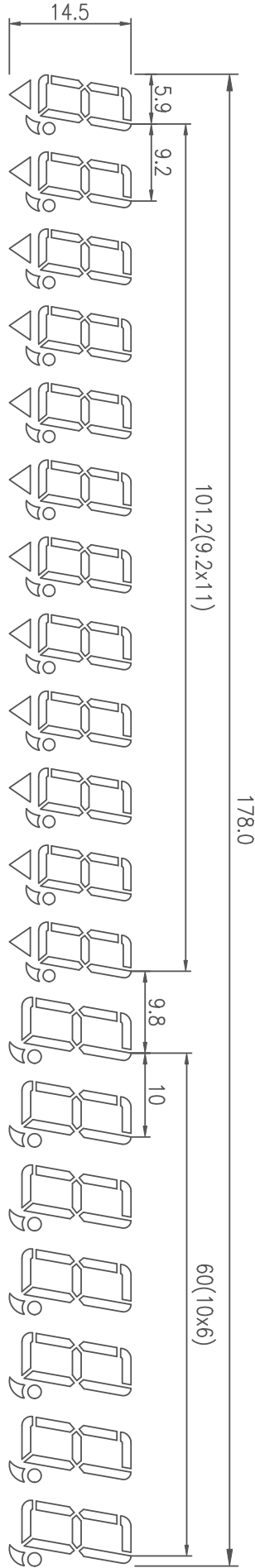
Item	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	I _f -	E _f = 8.5 V _{ac} e _b = e _c = 0	123.8 -	137.5 -	151.3 -	mA _{ac} -
Anode Current	i _b /1G~12G i _b /13G~19G - - -	E _f = 8.5 V _{ac} e _b = 42.0 V _{p-p} e _c = 42.0 V _{p-p} D _u = 1/21 t _p = 100 uS	- - - - -	9.0 10.0 - - -	18.0 20.0 - - -	mA _{p-p} mA _{p-p} mA _{p-p} mA _{p-p} mA _{p-p}
Grid Current	i _c / 1G~12G i _c / 13G~19G - - -		- - - - -	11.5 12.0 - - -	23.0 24.0 - - -	MA _{p-p} MA _{p-p} MA _{p-p} MA _{p-p} MA _{p-p}
Luminance	L(G) -		350 (102)	700 (204)	- -	cd/m ² fL
Luminance Ratio	L _{min} /L _{max}		50	-	-	%
Grid Cut-off Voltage	E _{cco}	E _f = 8.5 V _{ac} e _b = 42.0 V _{dc}	-8.0	-	-	V _{dc}
Anode Cut-off Voltage	E _{bco}	E _f = 8.5 V _{ac} e _c = 42.0 V _{p-p} D _u = 1/21 t _p = 100uS	-8.0	-	-	V _{dc}

Drive Mode = Dynamic State

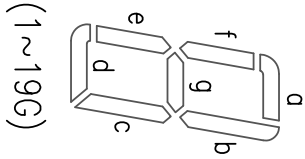
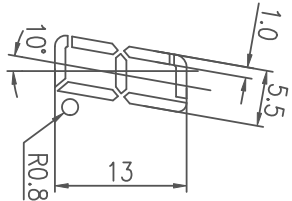
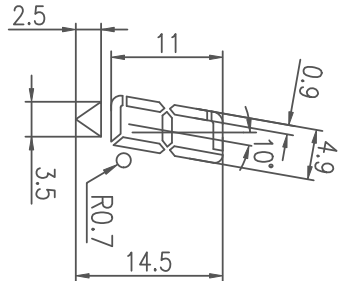
外形图



显示面



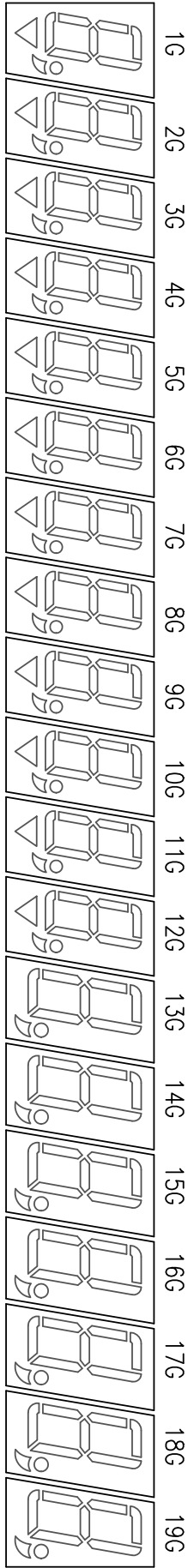
显示颜色：绿色（全部）



栅极分割

(1~12G)

(13~19G)



阳极连接

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G	14G	15G	16G	17G	18G	19G
P1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a
P2	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b
P3	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f
P4	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
P5	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
P6	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e	e
P7	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d
P8	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
P9	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ	ㄷ
P10	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽	▽							