

User's Guide

D0105MT-24-0504N

VFD- RoHS Compliant

(Vacuum Fluorescent Display Module)

—————For product support, contact

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February 12, 2008

Vacuum Fluorescent Display Specification

PART NUMBER: **D0105MT-24-0504N**

FEATURES: 5 Digits, 7-Segmented, Clock / Instrumentation

APPLICATION: Character Display (7-Segmented)

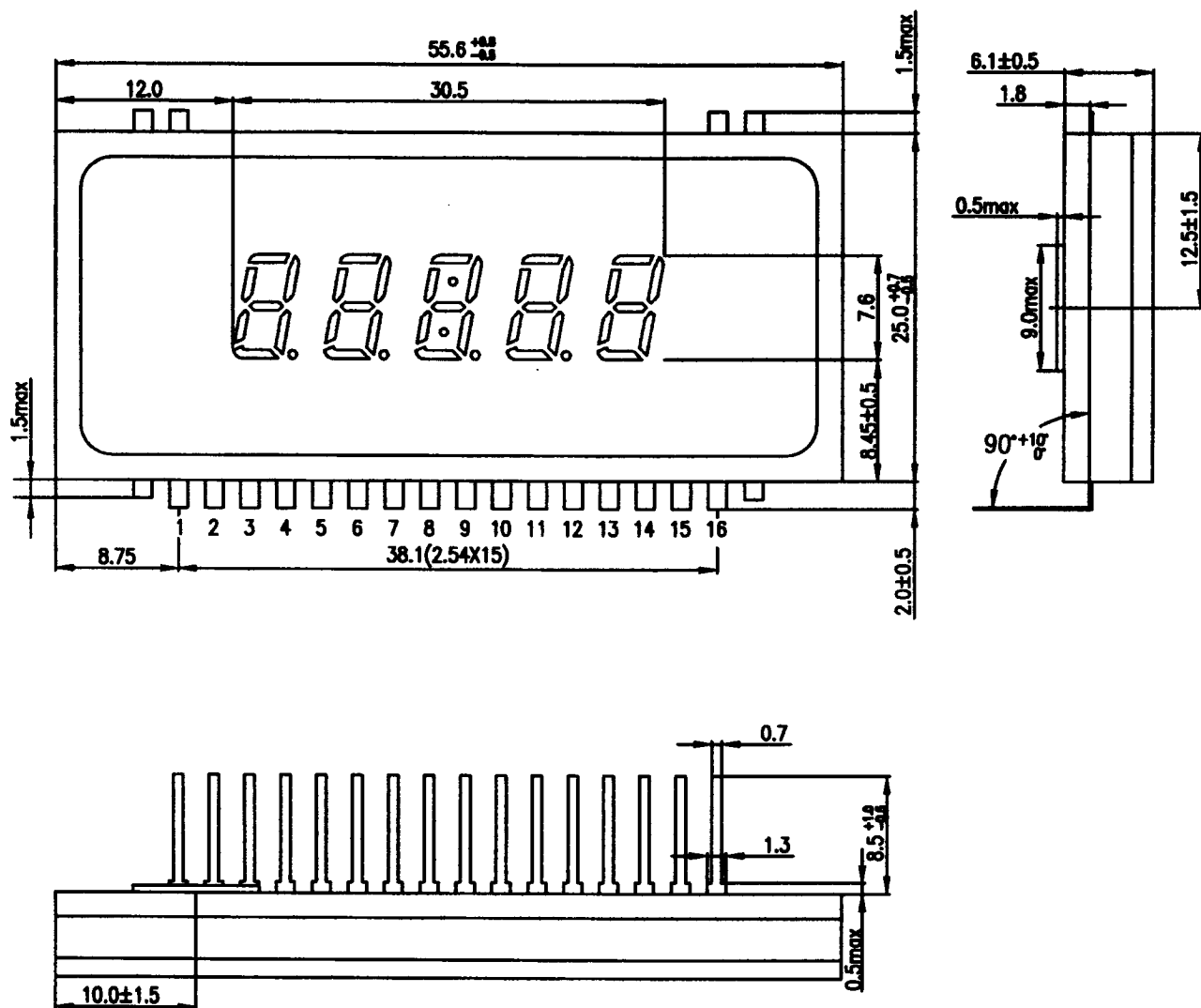
RATINGS: Below

Outer Dimensions	Panel Length	P.L.	55.6	mm	
	Panel Height	P.H.	25.0	mm	
	Panel Thickness	P.T.	6.1	mm	
Leads	Lead Pitch	L.P.	2.54	mm	
	Lead Out	-	SIL		
Character Size	Character Height	C.H.	7.6	mm	
	Character Width	C.W.	3.6	mm	
Item	Symbol	Min.	Recommended	Max.	Unit
Filament Voltage	Ef	1.5	1.7	1.9	Vdc
Peak Grid Voltage	ec	-	24.0	27.0	Vp-p
Peak Anode Voltage	eb	-	24.0	27.0	Vp-p
Cut-off Bias	Ek	-	-	-	Vdc
Duty Cycle	Du	-	1/7.5	-	-
Pulse Width	tp	-	100	-	uS
Operating Temperature	Topr	-20	-	+ 70	C
Storage Temperature	Tstg	-55	-	+ 80	C
Color of Illumination	Green				

Electrical Characteristics

Item	Symbol	Test Condition	Min.	Typical	Max.	Unit
Filament Current	I _f -	E _f = 1.7 V _{dc} e _b = e _c = 0	67.5 -	75.0 -	82.5 -	mA _{dc} -
Anode Current	i _b /1G~5G - - - -	E _f = 1.7 V _{dc} e _b = 24.0 V _{dc} e _c = 24.0 V _{dc} D _u = 1/7.5 T _p = 100 uS	- - - - -	3.5 - - - -	7.0 - - - -	mA _{p-p} mA _{p-p} mA _{p-p} mA _{p-p} mA _{p-p}
Grid Current	i _c / 1G~5G - - - -		- - - - -	4.0 - - - -	8.0 - - - -	MA _{p-p} MA _{p-p} MA _{p-p} MA _{p-p} MA _{p-p}
Luminance	L(G) -		700 (204)	1400 (409)	-	cd/m ² fL
Luminance Ratio	L _{min} /L _{max}		50	-	-	%
Grid Cut-off Voltage	E _{cco}	E _f = 1.7 V _{dc} E _b = 24.0 V _{dc}	-2.0	-	-	V _{dc}
Anode Cut-off Voltage	E _{bco}	E _f = 1.7 V _{dc} e _c = 24.0 V _{p-p} D _u = 1/7.5 T _p = 100uS	-2.0	-	-	V _{dc}

Outline Drawing (Unit:mm)

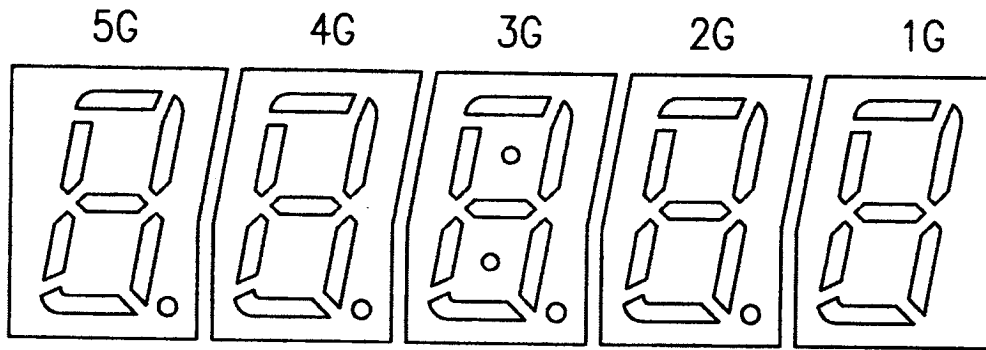


(PIN CONNECTION)

(PIN NO.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(CONNECTION)	F(-)	g	f	5G	e	4G	d	col	3G	Dp	c	2G	b	1G	a	F(+)

(Note): F+,F-: (Filament) a~g,col,Dp: (Anode) 1G~5G: (Grid)

(Display Pattern and Grid Assignment)



Green($x=0.250, y=0.430$) :

