

# MICRO

ELECTRONICS

MU0757AH  
MU0757CH  
LOW CURRENT  
GaAlAs RED LED DOT  
MATRIX DISPLAY

## FEATURE

High efficiency ultra bright red GaAlAs chip  
Anode column, Cathode row (with suffix A);  
Cathode column, Anode row (with suffix C)  
High contrast  
Wide Viewing Angle  
5x7 matrix array with row-column select  
Regged encapsulation (Filled reflector construction)  
End & side stackable

## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Power Dissipation / Dot	$P_d$	70mW
Peak Forward Current / Dot	$I_{F/Pulse*}$	160mA
Continuous Forward Current / Dot	$I_{F/DC}$	30mA
Reverse Voltage	$V_R$	5V
Operating Temperature Range	$T_{opr}$	-20 to +80°C
Storage Temperature Range	$T_{stg}$	-20 to +75°C

\* Note : Pulse Width = 1mS, Duty Ratio = 1/10.

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	$V_F$		1.8	2.4	V	$I_F=20mA$
Luminous Intensity	$I_V$	500	900		$\mu cd$	$I_F=2mA$
Segment to Segment Luminous Intensity Ratio			1.5:1			$I_F=2mA$
Peak Wavelength	$\lambda_p$		660		nm	$I_F=20mA$
Spectral Line Half Width	$\Delta\lambda$		20		nm	$I_F=20mA$



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