

MICRO

ELECTRON

MO433FA
0.33", 4 DIGIT
NUMERIC
DISPLAY

FEATURE

High Efficiency GaP red LED dice
 0.33 inch Character Height
 High Contrast
 Wide Viewing Angle
 Common Anode

AVAILABLE IN COLOR

* MS433FA Red
 * MO433FA Orange

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

		<u>MS433FA</u>	<u>MO433FA</u>
Power Dissipation / Segment	P_d	40mW	90mW
Peak Forward Current / Segment	$I_{F/Pulse*}$	60mA	100mA
Continuous Forward Current / Segment	$I_{F/DC}$	15mA	30mA
Reverse Voltage / Segment	V_R	5V	5V
Operating Temperature Range	T_{opr}	-20 to +70°C	
Storage Temperature Range	T_{stg}	-20 to +80°C	

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	MS433FA	V_F			3.0	V	$I_F=20mA$
	MO433FA				3.0	V	$I_F=20mA$
Luminous Intensity	MS433FA	I_V	120	200		μcd	$I_F=10mA$
	MO433FA		250	400		μcd	$I_F=10mA$
Segment to Segment Luminous Intensity Ratio	MS433FA				2:1		$I_F=10mA$
	MO433FA				2:1		$I_F=10mA$
Peak Wavelength	MS433FA	λ_p		700		nm	$I_F=20mA$
	MO433FA			630		nm	$I_F=20mA$
Spectral Line Half Width	MS433FA	$\Delta\lambda$		100		nm	$I_F=20mA$
	MO433FA			30		nm	$I_F=20mA$



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Oct-96

