

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)

	MS433FA	MO433FA
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	Δλ		100		nm	I _F =20mA
	MO433FA			30		nm	I _F =20mA

DIG1 DIG2 DIG3 DIG4

