

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice

0.36 inch Character Height

High Contrast

Wide Viewing Angle

Common Anode - MS136A, MG136A, MY136A, MO136A

Common Cathode - MS136C, MG136C, MY136C, MO136C

ABSOLUTE MAXIMUM RATINGS

	MS136	MY136	MG136 MO136	UNIT
Power Dissipation / Segment	40	60	75	mW
Peak Forward Current / Segment*	60	80	100	mA
Continuous Forward Current / Segment	15	20	25	mA
Reverse Voltage / Segment	5	5	5	V
Operating Temperature Range	-25 to +85			°C
Storage Temperature Range	-25 to +85			°C

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MS136	MG136	MY136	MO136	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	3.0	V	IF=20mA
Luminous Intensity	MIN	IV	330	1200	800	1000	μcd IF=10mA
Segment to Segment	MAX		2:1	2:1	2:1		IF=20mA
Luminous Intensity Ratio							
Peak Wavelength	TYP	λp	700	565	585	630	nm IF=20mA
Spectral Line Half Width	TYP	Δλ	100	30	35	40	nm IF=20mA



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Figure 1 consists of two diagrams, (A) and (B), showing the pin connections for an 8-channel 16-pin DIP package. Both diagrams show a top row of pins labeled 1 through 16, with a 'PIN NO.' label and a '1,6' label above the pins. The pins are connected to a common bus line. Below the bus line, there are two rows of labels: A, B, C, D, E, F, G, DP for the first row, and 10, 9, 8, 5, 4, 2, 3, 7 for the second row. The connections are as follows:

- Pin 1 is connected to A.
- Pin 2 is connected to 10.
- Pin 3 is connected to 9.
- Pin 4 is connected to 8.
- Pin 5 is connected to 5.
- Pin 6 is connected to 4.
- Pin 7 is connected to 2.
- Pin 8 is connected to 3.
- Pin 9 is connected to 7.
- Pin 10 is connected to DP.
- Pin 11 is connected to A.
- Pin 12 is connected to B.
- Pin 13 is connected to C.
- Pin 14 is connected to D.
- Pin 15 is connected to E.
- Pin 16 is connected to F.