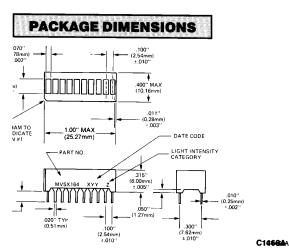


#### MULTICOLOR BARGRAPH

### MV5A164 MV5D164 MV5B164 MV5E164 MV5C164



NOTE: TOLERANCES ±.010" UNLESS SPECIFIED

#### DESCRIPTION

These are 10 segments multicolor bargraphs with separate anodes and cathode for each segment. The packages are stackable.

# FEATURES

- Large segments, closely spaced
- End stackable
- Fast switching excellent for multiplexing
- Low power consumption
- Directly compatible with ICs.
- Standard 0.3" DIP lead spacing

Custom multicolor bargraphs are available with minimum delivery requirements.

ABSOLUTE MAXIMUM RATING	
Power dissipation at 25°C ambient	
Derate linearly from 50°C . Storage and operating temperature	
Continuous forward current	
Total Per segment	
Heverse voltage	
Per segment	

TYPICAL THERMAL CHARAC	TERISTICS	
Thermal resistance Junction to free air Ø <sub>JA</sub> Wavelength temperature coefficient (case tempera Forward voltage temperature coefficient	ature)	
Yellow −1.5 mV/°C,	Green −1.4 mV/°C,	HER −2.0 mV/°C



## MULTICOLOR BARGRAPH

SEMICONDUCTOR

MV54164

C1471

CONDITIONS	MIN	ТҮР	MAX	UNITS	TEST
Forward voltage (HER, Green, Yellow)		2.2	3.0	V	l₌=10 mA
Luminous intensity (average)	510	1800		μcd	I₌=10 mA
Peak emission wavelength					
High efficiency red (HER)		630		nm	
Green		562		nm	
Yellow		585		nm	
Spectral line half width		40		nm	
Dynamic resistance — segment		26		ohm	l₌=20 mA
Switching time		500		ns	., _,
Reverse voltage		6.0		V	$l_{\rm B} = 100 \ \mu A$

	Pin connections			
<u>  −10</u>	Electrical		Electrical	
– Pin N	o connections	Pin No	connections	
1	Bar 1 anode	11	Bar 10 cathode	
2	Bar 2 anode	12	Bar 9 cathode	
3	Bar 3 anode	13	Bar 8 cathode	
4	Bar 4 anode	14	Bar 7 cathode	
5	Bar 5 anode	15	Bar 6 cathode	
6	Bar 6 anode	16	Bar 5 cathode	
7	Bar 7 anode	17	Bar 4 cathode	
8	Bar 8 anode	18	Bar 3 cathode	
9	Bar 9 anode	19	Bar 2 cathode	
10	Bar 10 anode	20	Bar 1 cathode	

#### **MULTICOLOR BARGRAPH SEGMENT COLOR**

Segment	MV5A164	MV5B164	MV5C164	MV5D164	MV5E164
1	HER	HER	Green	Green	Green
2	HER	HER	Green	Green	Yellow
3	HER	Yellow	Green	Green	Yellow
4	Yellow	Yellow	Green	Green	Yellow
5	Yellow	Green	Green	Green	Yellow
6	Yellow	Green	Green	HER	Yellow
7	Yellow	Yellow	Yellow	HER	Yellow
8	Green	Yellow	Yellow	HER	HER
9	Green	HER	Yellow	HER	HER
10	Green	HER	HER	Yellow	HER



## MULTICOLOR BARGRAPH

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