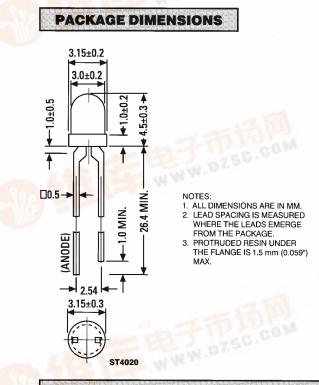


专业PCB打样工厂,24小时加急出货

## **RED MV50640** YELLOW MV5364X HIGH EFFICIENCY GREEN MV5464X/HLMP-15X3 HIGH EFFICIENCY RED MV5764X/HLMP-130X



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## DESCRIPTION

These solid state indicators offer a variety of color selection. The High Efficiency Red and Yellow devices are made with gallium arsenide phosphide on gallium phosphide. The High Efficiency Green utilizes an improved gallium phosphide light emitting diode. All are encapsulated in epoxy packages with diffused lenses. Their small size, wide viewing angle, and small square leads contribute to their versatility as all-purpose indicators.

### **FEATURES**

- Replacement for the HLMP-1300 and -1500 product DZSC.COM series
- 100 mil lead spacing T-1
- High efficiency GaP light
- Versatile mounting on PC board or panel
- Wide viewing angle
- Diffused tinted lens

ТҮРЕ	SOURCE	LENS	LUMINOUS INTENSITY at 25°C (mcd) MIN, TYP.		TEST
MV50640	Standard Red	Red Diffused	0.5	1.5	I <sub>F</sub> =20 mA
MV53640	Yellow	Yellow Diffused	1.0	2.0 1	I <sub>F</sub> =10 mA
MV53641			1.5	3.0	if a lo link
MV53642			2.5	4.5	
MV54643	High Efficiency Green	Green Diffused			
(HLMP-1503)	00.00		2.0	ו 5.0	
MV54644				}	I <sub>⊧</sub> =20 mA
(HLMP-1523)			6.0	10.0	
MV57640	High Efficiency Red	Red Diffused		-	
(HLMP-1300)			1.0	2.0	
MV57641					
(HLMP-1301)			2.0	2.5	I <sub>F</sub> =10 mA
MV57642					
(HLMP-1302)			3.0	4.0	



SEMICONDUCTOR

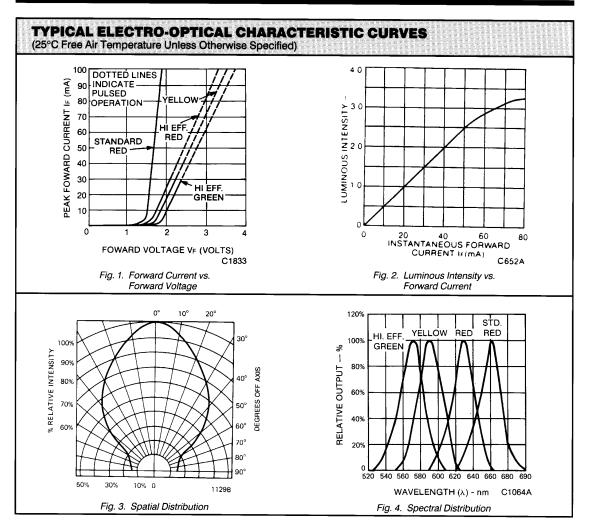
# ELECTRO-OPTICAL CHARACTERISTICS

PARAMETER	<u></u>	SYMBOL	TEST COND.	UNITS	MV50640* RED	MV5364X YELLOW	MV5464X HI. EFF. GREEN	MV5764X HI. EFF. RED
Forward voltage	typ. max.	V <sub>F</sub>	I <sub>F</sub> =10 mA	V	1.6 2.0	2.1 3.0	2.2* 3.0*	2.0 3.0
Peak wavelength		λ	I <sub>F</sub> =10 mA	nm	660	585	562	635
Spectral line half width			l <sub>⊧</sub> =10 mA	nm	20	35	30	45
Capacitance	typ.	С	V=0, f=1 MHz	pF	23	45	20	45
Reverse voltage	min.	V <sub>BR</sub>	I <sub>R</sub> =100 μA	V	5.0	5.0	5.0	5.0
Viewing angle (total)	typ.	201⁄2	See Fig. 3	degrees	90	90	90	90

\*I<sub>F</sub>=20 mA

	YLW.	STD. RED	HER/HEG
Power dissipation at 25°C ambient	85	120 mW	120 mW
Derate linearly from 50°C	1.6 mW/°C	1.6 mW/°C	1.6 mW/°C
torage and operating temperatures	-55°C to +100°C	-55°C to +100°C	-55°C to +100°C
ead soldering time at 260°C (1/16 inch from body)	5 sec.	5 sec.	5 sec.
ontinuous forward current at 25°C	20 mA	30 mA	30 mA
eak forward current (1 µsec pulse, 0.3% duty cycle)	60 mA	1.0 A	90 mA
Reverse voltage $\dots$	5.0 V	5.0 V	5.0 V







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