# FAIRCHILD
## SEMICONDUCTOR™

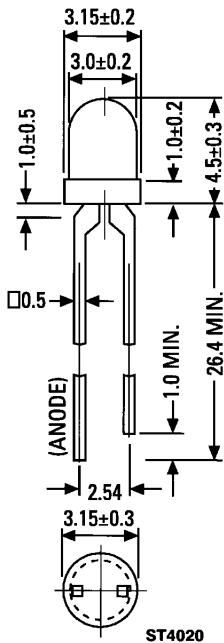RED **MV50640**
YELLOW **MV5364X**
HIGH EFFICIENCY GREEN **MV5464X/HLMP-15X3**
HIGH EFFICIENCY RED **MV5764X/HLMP-130X**

## PACKAGE DIMENSIONS

3.15±0.2
3.0±0.2
1.0±0.5
1.0±0.2
4.5±0.3
□0.5
26.4 MIN.
1.0 MIN.
(ANODE)
2.54
3.15±0.3

**ST4020**

NOTES:
1. ALL DIMENSIONS ARE IN MM.
2. LEAD SPACING IS MEASURED WHERE THE LEADS EMERGE FROM THE PACKAGE.
3. PROTRUDED RESIN UNDER THE FLANGE IS 1.5 mm (0.059″) MAX.

## 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 series
■ 100 mil lead spacing T-1
■ High efficiency GaP light
■ Versatile mounting on PC board or panel
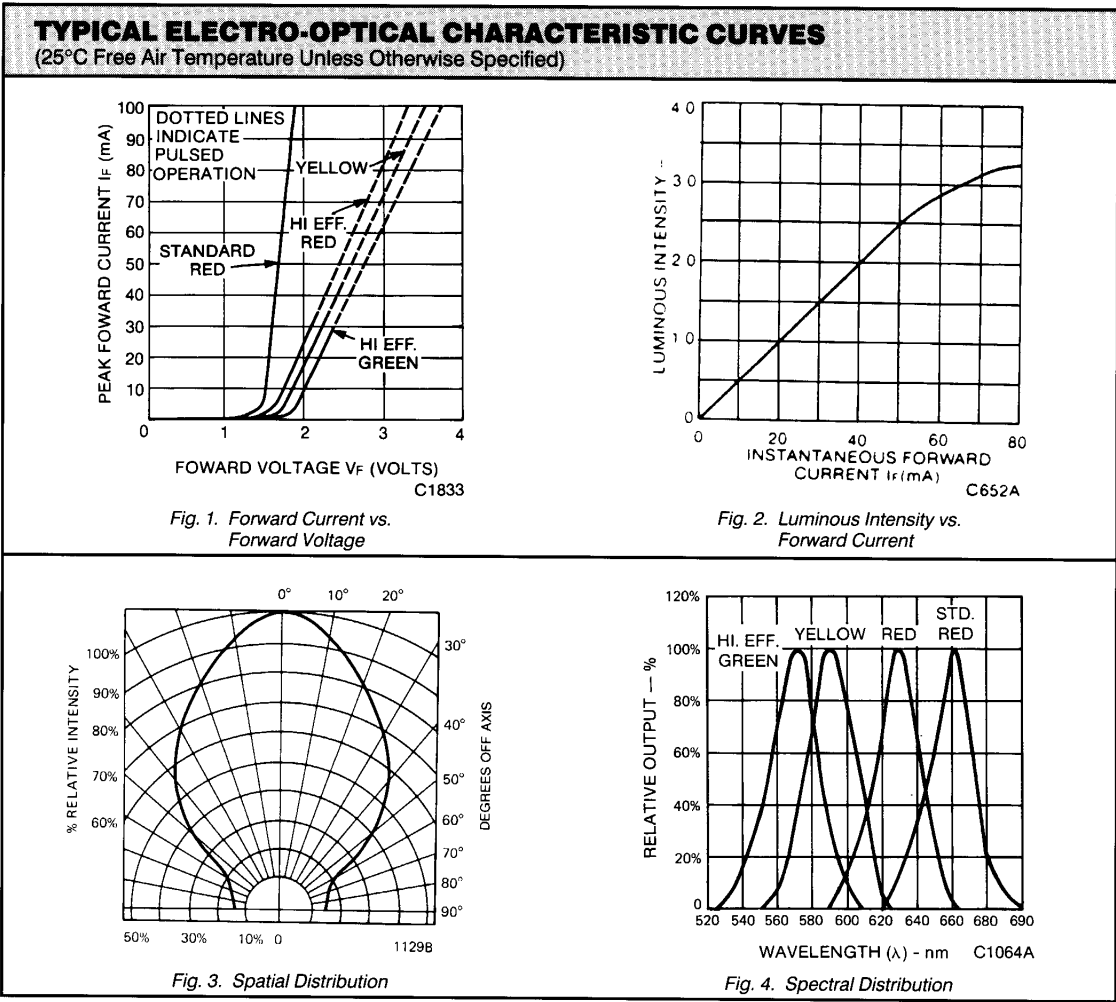■ Wide viewing angle
■ Diffused tinted lens

## PHYSICAL CHARACTERISTICS

| TYPE | SOURCE COLOR | LENS EFFECT | LUMINOUS INTENSITY at 25°C (mcd) MIN. | TYP. | TEST CONDITIONS |
|---|---|---|---|---|---|
| MV50640 | Standard Red | Red Diffused | 0.5 | 1.5 | $I_F$=20 mA |
| MV53640 | Yellow | Yellow Diffused | 1.0 | 2.0 | $I_F$=10 mA |
| MV53641 | | | 1.5 | 3.0 | |
| MV53642 | | | 2.5 | 4.5 | |
| MV54643 (HLMP-1503) | High Efficiency Green | Green Diffused | 2.0 | 5.0 | $I_F$=20 mA |
| MV54644 (HLMP-1523) | | | 6.0 | 10.0 | |
| MV57640 (HLMP-1300) | High Efficiency Red | Red Diffused | 1.0 | 2.0 | $I_F$=10 mA |
| MV57641 (HLMP-1301) | | | 2.0 | 2.5 | |
| MV57642 (HLMP-1302) | | | 3.0 | 4.0 | |

## ELECTRO-OPTICAL CHARACTERISTICS
(25°C Free Air Temperature Unless Otherwise Specified)

| PARAMETER | | SYMBOL | TEST COND. | UNITS | MV50640* RED | MV5364X YELLOW | MV5464X HI. EFF. GREEN | MV5764X HI. EFF. RED |
|---|---|---|---|---|---|---|---|---|
| Forward voltage | typ. | $V_F$ | $I_F=10$ mA | V | 1.6 | 2.1 | 2.2* | 2.0 |
| | max. | | | | 2.0 | 3.0 | 3.0* | 3.0 |
| Peak wavelength | | $\lambda$ | $I_F=10$ mA | nm | 660 | 585 | 562 | 635 |
| Spectral line half width | | | $I_F=10$ mA | nm | 20 | 35 | 30 | 45 |
| Capacitance | typ. | C | $V=0, f=1$ MHz | pF | 23 | 45 | 20 | 45 |
| Reverse voltage | min. | $V_{BR}$ | $I_R=100$ $\mu$A | V | 5.0 | 5.0 | 5.0 | 5.0 |
| Viewing angle (total) | typ. | $2\theta\frac{1}{2}$ | See Fig. 3 | degrees | 90 | 90 | 90 | 90 |

*$I_F=20$ mA

## ABSOLUTE MAXIMUM RATINGS ($T_A=25$°C Unless Otherwise Specified)

| | 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 |
| Storage and operating temperatures | −55°C to +100°C | −55°C to +100°C | −55°C to +100°C |
| Lead soldering time at 260°C (1/16 inch from body) | 5 sec. | 5 sec. | 5 sec. |
| Continuous forward current at 25°C | 20 mA | 30 mA | 30 mA |
| Peak forward current (1 $\mu$sec pulse, 0.3% duty cycle) | 60 mA | 1.0 A | 90 mA |
| Reverse voltage | 5.0 V | 5.0 V | 5.0 V |

# FAIRCHILD
## SEMICONDUCTOR™

DIFFUSED T-100
SOLID STATE LAMPS

## TYPICAL ELECTRO-OPTICAL CHARACTERISTIC CURVES
(25°C Free Air Temperature Unless Otherwise Specified)

Fig. 1. Forward Current vs. Forward Voltage

C1833

Fig. 2. Luminous Intensity vs. Forward Current

C652A

Fig. 3. Spatial Distribution

1129B

Fig. 4. Spectral Distribution

C1064A

**DISCLAIMER**

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

**LIFE SUPPORT POLICY**

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION.  As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.

2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

Fairchild Semiconductor

space    Product Folders and    Applica

find products

Products groups
Analog and Mixed Signal
Discrete
Interface
Logic
Microcontrollers
Non-Volatile Memory
Optoelectronics
Markets and applications
New products
Product selection and parametric search
Cross-reference search

technical information

buy products

technical support

my Fairchild

company

## MV54644
## Product information

### Contents
General description | Features | Testing conditions | Product status/pricing/packaging

### General 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 devices 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.

back to top

### Features

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

back to top

### Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

### Datasheet
Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

### Related Links

Request samples
Dotted line
How to order products
Dotted line
Product Change Notices (PCNs)
Dotted line
Support
Dotted line
Distributor and field sales representatives
Dotted line
Quality and reliability
Dotted line
Design tools

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV54644.C3A1 | Full Production | N/A | T-100 | AMMO |
| MV54644.C5A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644.C3A2 | Full Production | N/A | T-100 | AMMO |
| MV54644.D6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54644.C3A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644 | Full Production | $0.051 | T-100 | BULK |
| MV54644.MP4A | Full Production | N/A | T-100, Right Angle | BULK |
| MV54644.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644.C4A1 | Full Production | N/A | T-100 | AMMO |
| MV54644.C2A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644.C6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54644.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54644.C1R2 | Full Production | N/A | T-100 | TAPE REEL |

* 1,000 piece Budgetary Pricing

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy

Fairchild Semiconductor

space | Product Folders and | Applica

find products

Home >> Find products >>

### find products

Products groups
- Analog and Mixed Signal
- Discrete
- Interface
- Logic
- Microcontrollers
- Non-Volatile Memory
- Optoelectronics

Markets and applications

New products

Product selection and parametric search

Cross-reference search

technical information

buy products

technical support

my Fairchild

company

## MV53640
### Yellow Diffused T-100 Solid State Lamp

Contents
General description | Features | Testing conditions | Product status/pricing/packaging

General 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 devices 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.

back to top

Features

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

back to top

Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

Datasheet
Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

Related Links

Request samples

How to order products

Product Change Notices (PCNs)

Support

Distributor and field sales representatives

Quality and reliability

Design tools

[back to top](#)

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV53640.C2A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53640.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53640.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53640.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53640.C2R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53640.MP4A | Full Production | N/A | T-100, Right Angle | BULK |
| MV53640 | Full Production | $0.051 | T-100 | BULK |
| MV53640.C1A0 | Full Production | $0.058 | T-100 | AMMO |

* 1,000 piece Budgetary Pricing

[back to top](#)

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy

**Fairchild Semiconductor**

space   Product Folders and   Applica

find products

- Products groups
  - Analog and Mixed Signal
  - Discrete
  - Interface
  - Logic
  - Microcontrollers
  - Non-Volatile Memory
  - Optoelectronics
- Markets and applications
- New products
- Product selection and parametric search
- Cross-reference search

technical information

buy products

technical support

my Fairchild

company

MV53642
Yellow Diffused T-100 Solid State Lamp

Contents
General description | Features | Testing conditions | Product status/pricing/packaging

Datasheet
Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

**Related Links**

Request samples

How to order products

Product Change Notices (PCNs)

Support

Distributor and field sales representatives

Quality and reliability

Design tools

General 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 devices 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.

back to top

Features

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

back to top

Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

back to top

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV53642.C3A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53642.C6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53642.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53642.D5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53642.MP4A | Full Production | N/A | T-100, Right Angle | BULK |
| MV53642.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53642 | Full Production | $0.051 | T-100 | BULK |
| MV53642.C1R2 | Full Production | N/A | T-100 | TAPE REEL |
| MV53642.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53642.C4A1 | Full Production | N/A | T-100 | AMMO |
| MV53642.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53642.D4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV53642.C5A0 | Full Production | $0.058 | T-100 | AMMO |
| MV53642.C5R1 | Full Production | N/A | T-100 | TAPE REEL |

* 1,000 piece Budgetary Pricing

back to top

**Fairchild Semiconductor**

space   Product Folders and   Applica

find products

Home >> Find products >>

## find products

Products groups
  Analog and Mixed Signal
  Discrete
  Interface
  Logic
  Microcontrollers
  Non-Volatile Memory
  Optoelectronics
Markets and applications
New products
Product selection and parametric search
Cross-reference search

technical information

buy products

technical support

my Fairchild

company

MV54643
Product information

### Contents

General description | Features | Testing conditions | Product status/pricing/packaging

### General 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 devices 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.

back to top

### Features

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

back to top

### Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

**Datasheet**
Download this datasheet

PDF

e-mail this datasheet
[E-

This page
Print version

**Related Links**

Request samples
Dotted line
How to order products
Dotted line
Product Change Notices (PCNs)
Dotted line
Support
Dotted line
Distributor and field sales representatives
Dotted line
Quality and reliability
Dotted line
Design tools

.

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV54643.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.C3A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.C3A1 | Full Production | N/A | T-100 | AMMO |
| MV54643.C1A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.C5A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.C6A2 | Full Production | N/A | T-100 | AMMO |
| MV54643.C2R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.C6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.C3R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.D4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.D5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643 | Full Production | $0.051 | T-100 | BULK |
| MV54643.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.C2A0 | Full Production | $0.058 | T-100 | AMMO |
| MV54643.D4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV54643.MP4A | Full Production | N/A | T-100, Right Angle | BULK |
| MV54643.D6A0 | Full Production | $0.058 | T-100 | AMMO |

* 1,000 piece Budgetary Pricing

.

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy

Fairchild Semiconductor

space    Product Folders and    Applica

find products

Products groups
Analog and Mixed Signal
Discrete
Interface
Logic
Microcontrollers
Non-Volatile
Memory
Optoelectronics
Markets and applications
New products
Product selection and parametric search
Cross-reference search

technical information

buy products

technical support

my Fairchild

company

MV50640
Red Diffused T-100 Solid State Lamp

Contents
General description | Features | Testing conditions | Product status/pricing/packaging

Datasheet
Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

Related Links

Request samples
Dotted line
How to order products
Dotted line
Product Change Notices (PCNs)
Dotted line
Support
Dotted line
Distributor and field sales representatives
Dotted line
Quality and reliability
Dotted line
Design tools

General 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 devices 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.

back to top

Features

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

back to top

Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

back to top

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV50640.A5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640.C5A0 | Full Production | $0.058 | T-100 | AMMO |
| MV50640.D5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640.MP4 | Full Production | N/A | T-100, Right Angle | BULK |
| MV50640.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640 | Full Production | $0.051 | T-100 | BULK |
| MV50640.C3R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640.C1A0 | Full Production | $0.058 | T-100 | AMMO |
| MV50640.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV50640.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV50640.C1R2 | Full Production | N/A | T-100 | TAPE REEL |
| MV50640C3R1 | Full Production | N/A | T-100 | TAPE REEL |
| MV50640.MP4A | Full Production | N/A | T-100, Right Angle | BULK |

* 1,000 piece Budgetary Pricing

back to top

**Fairchild Semiconductor**

space Product Folders and Applica

find products

Products groups
Analog and Mixed Signal
Discrete
Interface
Logic
Microcontrollers
Non-Volatile Memory
Optoelectronics
Markets and applications
New products
Product selection and parametric search
Cross-reference search

technical information

buy products

technical support

my Fairchild

company

## MV57640
Product information

### Contents
[General description](#) | [Features](#) | [Testing conditions](#) | [Product status/pricing/packaging](#)

### General 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 devices 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.

[back to top](#)

### Features

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

[back to top](#)

### Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

### Datasheet
[Download this datasheet](#)

PDF

[e-mail this datasheet](#)

[E-

This page
[Print version](#)

### Related Links

[Request samples](#)
Dotted line
[How to order products](#)
Dotted line
[Product Change Notices (PCNs)](#)
Dotted line
[Support](#)
Dotted line
[Distributor and field sales representatives](#)
Dotted line
[Quality and reliability](#)
Dotted line
[Design tools](#)

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV57640.C3A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57640.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.D4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57640.C3A1 | Full Production | N/A | T-100 | AMMO |
| MV57640.MP4A | Full Production | N/A | T-100, Right Angle | BULK |
| MV57640 | Full Production | $0.051 | T-100 | BULK |
| MV57640.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57640.D4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.C2R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.C3R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.C4R1 | Full Production | N/A | T-100 | TAPE REEL |
| MV57640.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57640.C6A0 | Full Production | $0.058 | T-100 | AMMO |

* 1,000 piece Budgetary Pricing

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy

Fairchild Semiconductor

space    Product Folders and    Applica

**find products**

Products groups
Analog and Mixed Signal
Discrete
Interface
Logic
Microcontrollers
Non-Volatile Memory
Optoelectronics
Markets and applications
New products
Product selection and parametric search
Cross-reference search

technical information

buy products

technical support

my Fairchild

company

MV57641
Product information

## Contents

General description | Features | Testing conditions | Product status/pricing/packaging

## General 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 devices 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.

back to top

## Features

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

back to top

## Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

### Datasheet

Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

### Related Links

Request samples

Dotted line

How to order products

Dotted line

Product Change Notices (PCNs)

Dotted line

Support

Dotted line

Distributor and field sales representatives

Dotted line

Quality and reliability

Dotted line

Design tools

.

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV57641.C3R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57641.D4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57641.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57641.MP4 | Full Production | N/A | T-100, Right Angle | BULK |
| MV57641.D5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57641 | Full Production | $0.051 | T-100 | BULK |
| MV57641.MP4A | Full Production | N/A | T-100, Right Angle | BULK |

* 1,000 piece Budgetary Pricing

.

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy

# Fairchild Semiconductor

space    Product Folders and    Applica

Home >> Find products >>

## find products

- Products groups
  - Analog and Mixed Signal
  - Discrete
  - Interface
  - Logic
  - Microcontrollers
  - Non-Volatile Memory
  - Optoelectronics
- Markets and applications
- New products
- Product selection and parametric search
- Cross-reference search

technical information

buy products

technical support

my Fairchild

company

## MV57642
Product information

### Contents
General description | Features | Testing conditions | Product status/pricing/packaging

### General 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 devices 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.

back to top

### Features

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

back to top

### Testing conditions

- $V_F$ @ $I_F$ = 10 mA; $I_V$ @ $I_F$ = 10 mA

### Datasheet
Download this datasheet

PDF

e-mail this datasheet

[E-

This page
Print version

### Related Links

Request samples

Dotted line

How to order products

Dotted line

Product Change Notices (PCNs)

Dotted line

Support

Dotted line

Distributor and field sales representatives

Dotted line

Quality and reliability

Dotted line

Design tools

.

Product status/pricing/packaging

| Product | Product status | Pricing* | Package type | Packing method |
|---|---|---|---|---|
| MV57642.C4R1 | Full Production | N/A | T-100 | TAPE REEL |
| MV57642.C4A1 | Full Production | N/A | T-100 | AMMO |
| MV57642.C5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57642.C4R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57642.C4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.C3A1 | Full Production | N/A | T-100 | AMMO |
| MV57642.C3A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.C5A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.A4A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.C6R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57642.D6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.C6A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.C2A0 | Full Production | $0.058 | T-100 | AMMO |
| MV57642.D5R0 | Full Production | $0.058 | T-100 | TAPE REEL |
| MV57642 | Full Production | $0.051 | T-100 | BULK |
| MV57642.MP4 | Full Production | N/A | T-100, Right Angle | BULK |
| MV57642.C6R1 | Full Production | N/A | T-100 | TAPE REEL |
| MV57642.MP4A | Full Production | N/A | T-100, Right Angle | BULK |

* 1,000 piece Budgetary Pricing

.

Home | Find products | Technical information | Buy products |
Support | Company | Contact us | Site index | Privacy policy