Distributed by:



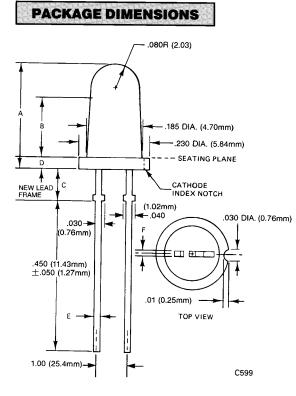
The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 1870032



TAPERED PACKAGE T-134 SOLID STATE LAMPS

STANDARD RED MV502XA



DESCRIPTION

The MV502X Series of solid state indicators is made with gallium arsenide phosphide light emitting diodes. Encapsulation and lens is epoxy. Various lens effects are available for many indicator applications.



- Tapered barrel T-1¾
- High Intensity Red light source with various lens colors and effects
- T-1¾ with stand-off
- Versatile mounting on PC board or panel
- Snap in panel mounting clip available (See MP22 for clip detail)

PHYSICAL CHARACTERISTICS										
ТҮРЕ	A	В	с	D	E&F	SOURCE COLOR	LENS COLOR	LENS EFFECT	POP-IN MOUNTING	CIRCUIT BOARD MOUNTING
MV5021A	.340	.190	.100	.040	.020	Red	White Diffused	Soft	x	X
MV5022A	.340	.190	.100	.040	.020	Red	Transparent Red	Point	x	x
MV5023A	.340	.190	.100	.040	.020	Red	Red Diffused	Soft	x	x
MV5024A	.340	.160	.130	.040	.020	Red	Red Diffused	Soft	x	x
MV5025A	.340	.160	.130	.040	.020	Red	Red Diffused	Flooded	x	x
MV5026A	.340	.160	.130	.040	.020	Red	Dark Red Diffused	Flooded	x	x



NOTES

TAPERED PACKAGE T-1¾ SOLID STATE LAMPS

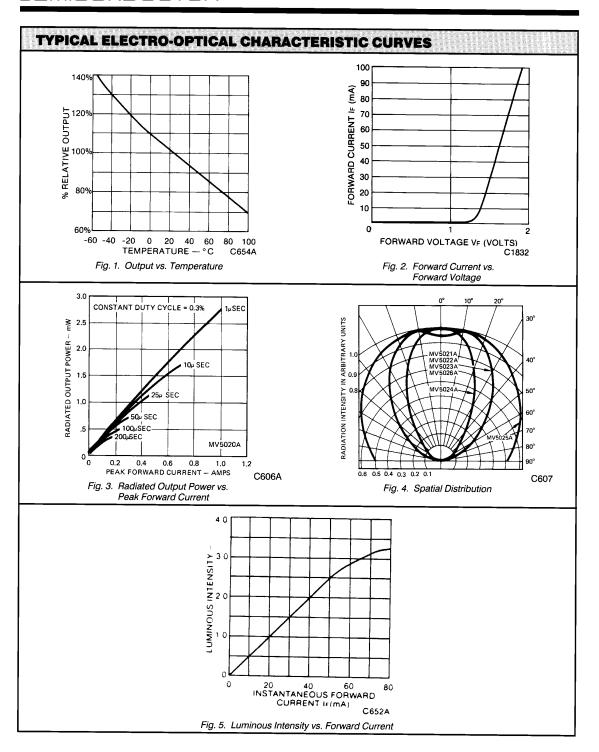
PARAMETER		TEST CONDITIONS	UNITS	5021A	5022A	5023A	5024A	5025A	5026A
Luminous Intensity	min. typ.	I⊧=20 mA I⊧=20 mA	mcd mcd	0.5 1.6	0.6 1.6	0.4 1.6	0.9 3.0	0.1 0.4	0.1 0.6
Peak wavelength		I _F =20 mA	nm	660	660	660	660	660	660
Spectral line half width		I _F =20 mA	nm	20	20	20	20	20	20
Forward voltage V _F	typ. max.	I _F =20 mA I _F =20 mA	V V	1.65 2.0	1.65 2.0	1.65 2.0	1.65 2.0	1.65 2.0	1.65 2.0
Reverse current I _R	max.	V ₈ =5.0V	μΑ	100	100	100	100	100	100
Reverse voltage V _R	min.	I _R =100 μA	V	5.0	5.0	5.0	5.0	5.0	5.0
Capacitance	typ.	V=0	pF	35	35	35	35	35	35
Viewing angle		Between 50% Points	degrees	90	90	90	60	180	90
Rise time and fall time	typ.	10%-90% 50 Ω system 90%-10% 50 Ω system	nsec nsec	50 50	50 50	50 50	50 50	50 50	50 50

Power dissipation at 25°C ambient	
Derate linearly from 25°C	
Storage and operating temperatures	55°C to +100°C
Lead soldering time at 260°C (See Note 1)	
Continuous forward current at 25°C	
Peak forward current (1µsec pulse, 0.3% duty cycle)	1.0/
Reverse voltage	

1. The leads of the device were immersed in molten solder at 260°C to a point 1/16 inch (1.6 mm) from the body of the device per MIL-S-750, with a dwell time of 5 seconds.



TAPERED PACKAGE T-1¾ SOLID STATE LAMPS





TAPERED PACKAGE T-1 3/4 SOLID STATE LAMPS

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:

- 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.
- 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.

This datasheet has been download from:

www.datasheetcatalog.com

Datasheets for electronics components.