


Small Outline Optoisolators Transistor Output

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high density applications, and eliminate the need for through-the-board mounting.

- Convenient Plastic SOIC-8 Surface Mountable Package Style
- Closely Matched Current Transfer Ratios
- Minimum $V_{(BR)CEO}$ of 70 Volts Guaranteed
- Standard SOIC-8 Footprint, with 0.050" Lead Spacing
- Compatible with Dual Wave, Vapor Phase and IR Reflow Soldering
- High Input-Output Isolation of 3000 Vac (rms) Guaranteed
- UL Recognized  File #E90700, Volume 2

Ordering Information:

- To obtain MOC205, 206, 207, 208 in Tape and Reel, add R2 suffix to device numbers:
R2 = 2500 units on 13" reel
- To obtain MOC205, 206, 207, 208 in quantities of 50 (shipped in sleeves) — No Suffix

Marking Information:

- MOC205 = 205
- MOC206 = 206
- MOC207 = 207
- MOC208 = 208

Applications:

- Feedback Control Circuits
- Interfacing and coupling systems of different potentials and impedances
- General Purpose Switching Circuits
- Monitor and Detection Circuits

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

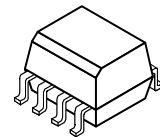
Rating	Symbol	Value	Unit
INPUT LED			
Forward Current — Continuous	I_F	60	mA
Forward Current — Peak (PW = 100 μs , 120 pps)	$I_F(\text{pk})$	1.0	A
Reverse Voltage	V_R	6.0	V
LED Power Dissipation @ $T_A = 25^\circ\text{C}$ Derate above 25°C	P_D	90 0.8	mW mW/ $^\circ\text{C}$

OUTPUT TRANSISTOR

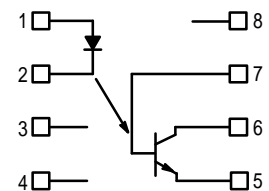
Collector-Emitter Voltage	V_{CEO}	70	V
Collector-Base Voltage	V_{CBO}	70	V
Emitter-Collector Voltage	V_{ECO}	7.0	V
Collector Current — Continuous	I_C	150	mA
Detector Power Dissipation @ $T_A = 25^\circ\text{C}$ Derate above 25°C	P_D	150 1.76	mW mW/ $^\circ\text{C}$

MOC205
MOC206
MOC207
MOC208

**SMALL OUTLINE
OPTOISOLATORS
TRANSISTOR OUTPUT**



SCHEMATIC



1. LED ANODE
2. LED CATHODE
3. NO CONNECTION
4. NO CONNECTION
5. EMITTER
6. COLLECTOR
7. BASE
8. NO CONNECTION

MAXIMUM RATINGS — continued ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Rating	Symbol	Value	Unit
TOTAL DEVICE			
Input–Output Isolation Voltage ^(1,2) (60 Hz, 1.0 sec. duration)	V_{ISO}	3000	Vac(rms)
Total Device Power Dissipation @ $T_A = 25^\circ\text{C}$ Derate above 25°C	P_D	250 2.94	mW mW/°C
Ambient Operating Temperature Range ⁽³⁾	T_A	–45 to +100	°C
Storage Temperature Range ⁽³⁾	T_{stg}	–45 to +125	°C
Lead Soldering Temperature (1/16" from case, 10 sec. duration)	—	260	°C

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)⁽⁴⁾

Characteristic	Symbol	Min	Typ ⁽⁴⁾	Max	Unit
----------------	--------	-----	--------------------	-----	------

INPUT LED

Forward Voltage ($I_F = 10\text{ mA}$)	V_F	—	1.15	1.5	V
Reverse Leakage Current ($V_R = 6.0\text{ V}$)	I_R	—	0.1	100	μA
Capacitance	C	—	18	—	pF

OUTPUT TRANSISTOR

Collector–Emitter Dark Current ($V_{CE} = 10\text{ V}$, $T_A = 25^\circ\text{C}$) ($V_{CE} = 10\text{ V}$, $T_A = 100^\circ\text{C}$)	I_{CEO1}	—	1.0	50	nA
	I_{CEO2}	—	1.0	—	μA
Collector–Emitter Breakdown Voltage ($I_C = 100\ \mu\text{A}$)	$V_{(BR)CEO}$	70	120	—	V
Emitter–Collector Breakdown Voltage ($I_E = 100\ \mu\text{A}$)	$V_{(BR)ECO}$	7.0	7.8	—	V
Collector–Emitter Capacitance ($f = 1.0\text{ MHz}$, $V_{CE} = 0$)	C_{CE}	—	7.0	—	pF

COUPLED

Output Collector Current ($I_F = 10\text{ mA}$, $V_{CE} = 10\text{ V}$)	MOC205 MOC206 MOC207 MOC208	I_C (CTR) ⁽⁵⁾	4.0 (40) 6.3 (63) 10 (100) 4.0 (40)	6.0 (60) 9.4 (94) 15 (150) 8.0 (80)	8.0 (80) 12.5 (125) 20 (200) 12.5 (125)	mA (%)
Collector–Emitter Saturation Voltage ($I_C = 2.0\text{ mA}$, $I_F = 10\text{ mA}$)		$V_{CE(sat)}$	—	0.15	0.4	V
Turn–On Time ($I_C = 2.0\text{ mA}$, $V_{CC} = 10\text{ V}$, $R_L = 100\ \Omega$)		t_{on}	—	3.0	—	μs
Turn–Off Time ($I_C = 2.0\text{ mA}$, $V_{CC} = 10\text{ V}$, $R_L = 100\ \Omega$)		t_{off}	—	2.8	—	μs
Rise Time ($I_C = 2.0\text{ mA}$, $V_{CC} = 10\text{ V}$, $R_L = 100\ \Omega$)		t_r	—	1.6	—	μs
Fall Time ($I_C = 2.0\text{ mA}$, $V_{CC} = 10\text{ V}$, $R_L = 100\ \Omega$)		t_f	—	2.2	—	μs
Input–Output Isolation Voltage ($f = 60\text{ Hz}$, $t = 1.0\text{ sec.}$) ^(1,2)		V_{ISO}	3000	—	—	Vac(rms)
Isolation Resistance ($V_{I-O} = 500\text{ V}$) ⁽²⁾		R_{ISO}	10^{11}	—	—	Ω
Isolation Capacitance ($V_{I-O} = 0$, $f = 1.0\text{ MHz}$) ⁽²⁾		C_{ISO}	—	0.2	—	pF

1. Input–Output Isolation Voltage, V_{ISO} , is an internal device dielectric breakdown rating.
2. For this test, pins 1 and 2 are common, and pins 5, 6 and 7 are common.
3. Refer to Quality and Reliability Section in Opto Data Book for information on test conditions.
4. Always design to the specified minimum/maximum electrical limits (where applicable).
5. Current Transfer Ratio (CTR) = $I_C/I_F \times 100\%$.

TYPICAL CHARACTERISTICS

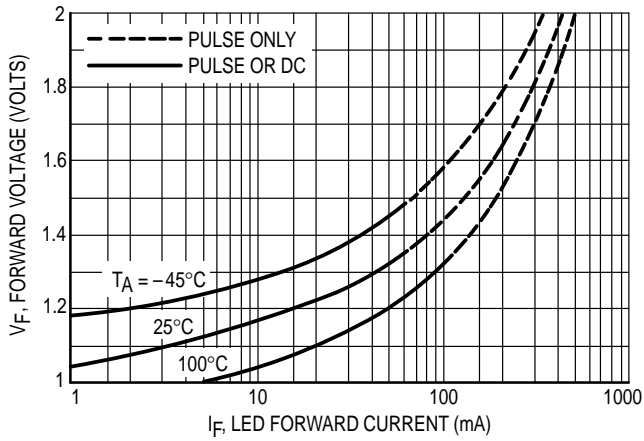


Figure 1. LED Forward Voltage versus Forward Current

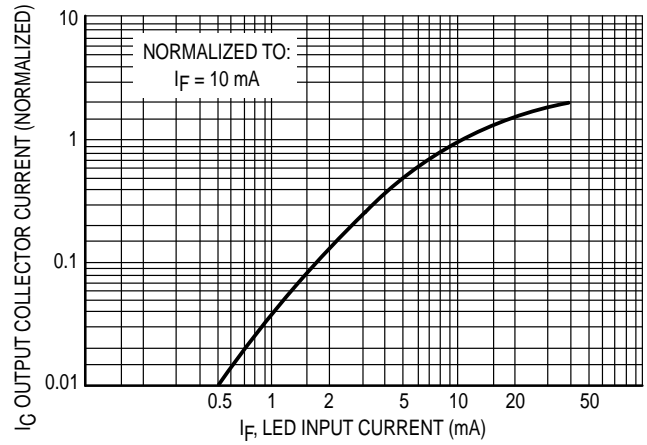


Figure 2. Output Current versus Input Current

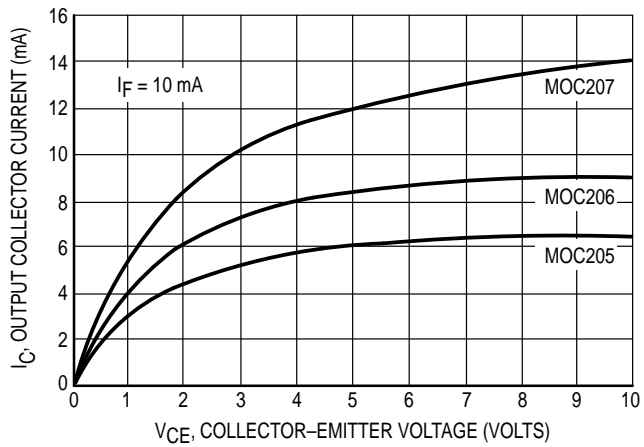


Figure 3. Output Current versus Collector-Emitter Voltage

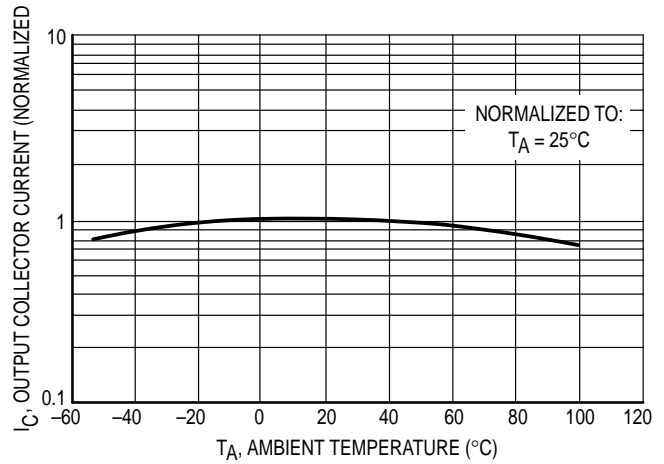


Figure 4. Output Current versus Ambient Temperature

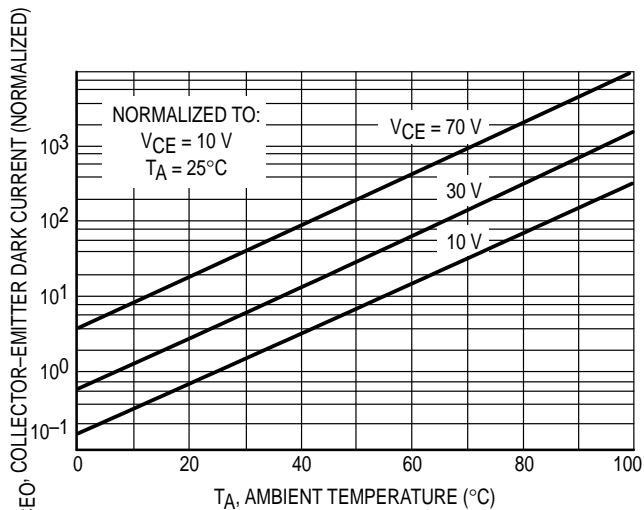


Figure 5. Dark Current versus Ambient Temperature

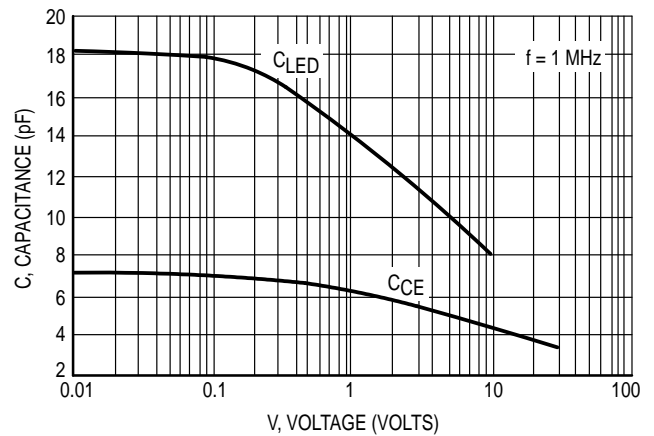
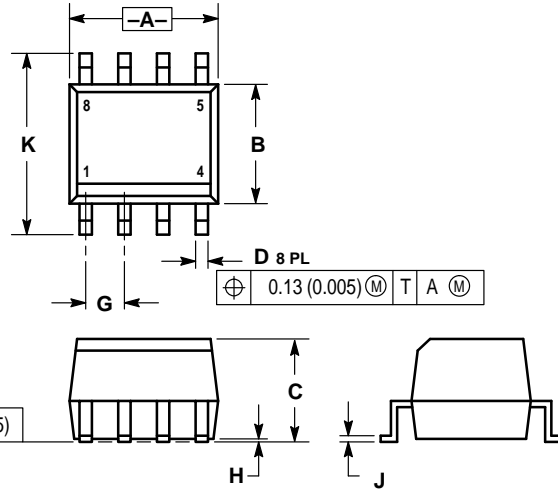


Figure 6. Capacitance versus Voltage



- NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH.

DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.182	0.202	4.63	5.13
B	0.144	0.164	3.66	4.16
C	0.123	0.143	3.13	3.63
D	0.011	0.021	0.28	0.53
G	0.050 BSC		1.27 BSC	
H	0.003	0.008	0.08	0.20
J	0.006	0.010	0.16	0.25
K	0.224	0.244	5.69	6.19

- STYLE 1:
PIN 1. ANODE
2. CATHODE
3. NC
4. NC
5. EMITTER
6. COLLECTOR
7. BASE
8. NC

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

SEARCH | [Parametric](#) | [Cross Reference](#)

Product Folders and

Apply

find products

[Home](#)>> [Find products](#) >> [Optoelectronics](#) >>[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](#)

Former Motorola Products Now Supplied by Fairchild

Select a product number to download its datasheet in PDF format ([Adobe Acrobat Reader](#) required). A -M suffix indicates a former Motorola product.

Contents

[4N](#) | [CNY](#) | [H11](#) | [MCT](#) | [MOC](#) |

Datasheets for products beginning with 4N

4N25-M	4N25A-M obsoleted, no replacement	4N26-M
4N27-M	4N28-M	4N29-M replaced by 4N29
4N29A-M replaced by 4N29	4N30-M replaced by 4N30	4N31-M replaced by 4N31
4N32-M replaced by 4N32	4N33-M replaced by 4N33	4N35-M
4N36-M	4N37-M	4N38-M replaced by 4N38
4N38A-M replaced by 4N38		

[back to top](#)

Datasheets for products beginning with CNY

CNY17-1-M	CNY17-2-M	CNY17-3-M
---------------------------	---------------------------	---------------------------

[back to top](#)

Datasheets for products beginning with H11

H11A1-M	H11AA1-M replaced by H11AA1	H11AA2-M replaced by H11AA2
-------------------------	---	---

Related links

[6 pin black/white package comparison](#)[Request samples](#)[Buy products](#)[Optocoupler products](#)[Optoelectronics products](#)[Contact us](#)

H11AA3-M replaced by H11AA3	H11AA4-M replaced by H11AA4	H11AV1-M
H11AV1A-M	H11AV2-M	H11AV2A-M
H11B1-M replaced by H11B1	H11B3-M replaced by H11B3	H11D1-M replaced by H11D1
H11D2-M replaced by H11D2	H11G1-M replaced by H11G1	H11G2-M replaced by H11G2
H11G3-M replaced by H11G3	H11L1-M	H11L2-M
H11L3-M		

[back to top](#)

.

Datasheets for products beginning with MCT

MCT2-M	MCT2E-M	
------------------------	-------------------------	--

[back to top](#)

.

Datasheets for products beginning with MOC

MOC205-M	MOC206-M	MOC207-M
MOC208-M	MOC211-M	MOC212-M
MOC213-M	MOC215-M	MOC216-M
MOC217-M	MOC223-M	MOC256-M
MOC3010-M	MOC3011-M	MOC3012-M
MOC3020-M	MOC3021-M	MOC3022-M
MOC3023-M	MOC3031-M	MOC3032-M
MOC3033-M	MOC3041-M	MOC3042-M
MOC3043-M	MOC3051-M	MOC3052-M
MOC3061-M	MOC3062-M	MOC3063-M
MOC3081-M	MOC3081-M	MOC3083-M
MOC3162-M	MOC3163-M	MOC5007-M
MOC5008-M	MOC5009-M	MOC8030-M replaced by MOC8030

MOC8050-M replaced by MOC8050	MOC8080-M replaced by MOC8080	MOC8100-M
MOC8204-M replaced by MOC8204	MOCD207-M	MOCD208-M
MOCD211-M	MOCD213-M	MOCD217-M
MOCD223-M		

[back to top](#)

[Home](#) | [Find products](#) | [Technical information](#) | [Buy products](#) |
[Support](#) | [Company](#) | [Contact us](#) | [Site index](#) | [Privacy policy](#)

© [Copyright 2002 Fairchild Semiconductor](#)

Last updated: March 19, 2002

Fairchild Semiconductor

SEARCH | [Parametric](#) | [Cross Reference](#)

[Product Folders and](#) [Appliea](#)

[find products](#)

[Home](#) >> [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](#)

MOC206-M
SO8 Phototransistor Coupler

Contents

[General description](#) | [Applications](#) | [Ordering information](#) | [Product status/pricing/packaging](#) | [Safety agency certificates](#)

General description

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high density applications and eliminates the need for through-the-board mounting.

- Convenient plastic SOIC-8 surface mountable package style
- Closely matched current transfer ratios
- Minimum $V_{(BR)CEO}$ of 70 volts guaranteed
- Standard SOIC-8 footprint, with a 0.050-inch lead spacing
- Compatible with dual wave, vapor phase and IR reflow soldering
- High input - Output isolation of 3000 VAC (RMS) guaranteed
- Underwriters Laboratory (UL) recognized - File #E90700, Volume 2

[back to top](#)

Applications

Datasheet

[Download this datasheet](#)



[e-mail this datasheet](#)



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](#)

- Feedback control circuits
- Interfacing and coupling systems of different potentials and impedances
- General purpose switching circuits
- Monitor and detection circuits

[back to top](#)

Ordering information

The following options can be ordered with this part:

Option	Order Entry Identifier	Description
R1	R1	Surface-Mount Lead Bend Tape and Reel (500-pc reel)
R2	R2	Surface-Mount Lead Bend Tape and Reel (2500-pc reel)

[back to top](#)

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
MOC206-M	Full Production	\$0.264	SOIC	8	RAIL
MOC206R1-M	Full Production	\$0.273	SOIC	8	TAPE REEL
MOC206R2-M	Full Production	\$0.273	SOIC	8	TAPE REEL

* 1,000 piece Budgetary Pricing

[back to top](#)

Safety agency certificates

Certificate	Agency	
8460,8461 (171 K)	BSI	British Standards Institution
136616 (161 K)	VDE	VDE Pruf-und Zertifizierungsinstitut
E90700, Vol. 2 (254 K)	UL	Underwriters Laboratories Inc.

[back to top](#)

[Home](#) | [Find products](#) | [Technical information](#) | [Buy products](#) |
[Support](#) | [Company](#) | [Contact us](#) | [Site index](#) | [Privacy policy](#)

[© Copyright 2002 Fairchild Semiconductor](#)

[Last updated: April 7, 2002](#)

Fairchild Semiconductor

SEARCH | [Parametric](#) | [Cross Reference](#)

[Product Folders and](#) [Appliea](#)

[find products](#)

[Home](#) >> [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](#)

MOC207-M

SO8 Phototransistor Coupler

Contents

[General description](#) | [Applications](#) | [Ordering information](#) | [Product status/pricing/packaging](#) | [Safety agency certificates](#)

General description

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high density applications and eliminates the need for through-the-board mounting.

- Convenient plastic SOIC-8 surface mountable package style
- Closely matched current transfer ratios
- Minimum $V_{(BR)CEO}$ of 70 volts guaranteed
- Standard SOIC-8 footprint, with a 0.050-inch lead spacing
- Compatible with dual wave, vapor phase and IR reflow soldering
- High input - Output isolation of 3000 VAC (RMS) guaranteed
- Underwriters Laboratory (UL) recognized - File #E90700, Volume 2

[back to top](#)

Applications

Datasheet

[Download this datasheet](#)



[e-mail this datasheet](#)



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](#)

[technical information](#)

[buy products](#)

[technical support](#)

[my Fairchild](#)

[company](#)

- Feedback control circuits
- Interfacing and coupling systems of different potentials and impedances
- General purpose switching circuits
- Monitor and detection circuits

[back to top](#)

Ordering information

The following options can be ordered with this part:

Option	Order Entry Identifier	Description
R1	R1	Surface-Mount Lead Bend Tape and Reel (500-pc reel)
R2	R2	Surface-Mount Lead Bend Tape and Reel (2500-pc reel)

[back to top](#)

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
MOC207-M	Full Production	\$0.264	SOIC	8	RAIL
MOC207R1-M	Full Production	\$0.273	SOIC	8	TAPE REEL
MOC207R2-M	Full Production	\$0.273	SOIC	8	TAPE REEL

* 1,000 piece Budgetary Pricing

[back to top](#)

Safety agency certificates

Certificate	Agency	
8460,8461 (171 K)	BSI	British Standards Institution
136616 (161 K)	VDE	VDE Pruf-und Zertifizierungsinstitut
E90700, Vol. 2 (254 K)	UL	Underwriters Laboratories Inc.

[back to top](#)

[Home](#) | [Find products](#) | [Technical information](#) | [Buy products](#) |
[Support](#) | [Company](#) | [Contact us](#) | [Site index](#) | [Privacy policy](#)

[© Copyright 2002 Fairchild Semiconductor](#)

[Last updated: April 7, 2002](#)

Fairchild Semiconductor

SEARCH | [Parametric](#) | [Cross Reference](#)

[Product Folders and](#) [Applic](#)

[find products](#)

[Home](#) >> [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](#)

MOC208-M
SO8 Phototransistor Coupler

Contents

[General description](#) | [Applications](#) | [Ordering information](#) | [Product status/pricing/packaging](#) | [Safety agency certificates](#)

General description

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high density applications and eliminates the need for through-the-board mounting.

- Convenient plastic SOIC-8 surface mountable package style
- Closely matched current transfer ratios
- Minimum $V_{(BR)CEO}$ of 70 volts guaranteed
- Standard SOIC-8 footprint, with a 0.050-inch lead spacing
- Compatible with dual wave, vapor phase and IR reflow soldering
- High input - Output isolation of 3000 VAC (RMS) guaranteed
- Underwriters Laboratory (UL) recognized - File #E90700, Volume 2

[back to top](#)

Applications

Datasheet

[Download this datasheet](#)



[e-mail this datasheet](#)



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](#)

- Feedback control circuits
- Interfacing and coupling systems of different potentials and impedances
- General purpose switching circuits
- Monitor and detection circuits

[back to top](#)

Ordering information

The following options can be ordered with this part:

Option	Order Entry Identifier	Description
R1	R1	Surface-Mount Lead Bend Tape and Reel (500-pc reel)
R2	R2	Surface-Mount Lead Bend Tape and Reel (2500-pc reel)

[back to top](#)

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
MOC208-M	Full Production	\$0.264	SOIC	8	RAIL
MOC208R1-M	Full Production	\$0.273	SOIC	8	TAPE REEL
MOC208R2-M	Full Production	\$0.273	SOIC	8	TAPE REEL

* 1,000 piece Budgetary Pricing

[back to top](#)

Safety agency certificates

Certificate	Agency	
8460,8461 (171 K)	BSI	British Standards Institution
136616 (161 K)	VDE	VDE Pruf-und Zertifizierungsinstitut

[back to top](#)

[Home](#) | [Find products](#) | [Technical information](#) | [Buy products](#) |
[Support](#) | [Company](#) | [Contact us](#) | [Site index](#) | [Privacy policy](#)

[© Copyright 2002 Fairchild Semiconductor](#)

[Last updated: April 7, 2002](#)

Fairchild Semiconductor

SEARCH | [Parametric](#) | [Cross Reference](#)

[Product Folders and](#) [Appliea](#)

[find products](#)

[Home](#) >> [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](#)

MOC205-M

SO8 Phototransistor Coupler

Contents

[General description](#) | [Applications](#) | [Ordering information](#) | [Product status/pricing/packaging](#) | [Safety agency certificates](#)

General description

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high density applications and eliminates the need for through-the-board mounting.

- Convenient plastic SOIC-8 surface mountable package style
- Closely matched current transfer ratios
- Minimum $V_{(BR)CEO}$ of 70 volts guaranteed
- Standard SOIC-8 footprint, with a 0.050-inch lead spacing
- Compatible with dual wave, vapor phase and IR reflow soldering
- High input - Output isolation of 3000 VAC (RMS) guaranteed
- Underwriters Laboratory (UL) recognized - File #E90700, Volume 2

[back to top](#)

Applications

[Related Links](#)

[Request samples](#)

[How to order products](#)

[Product Change Notices \(PCNs\)](#)

[Support](#)

[Distributor and field sales representatives](#)

[Quality and reliability](#)

[Design tools](#)

Datasheet

[Download this datasheet](#)



[e-mail this datasheet](#)



This page

[Print version](#)

[technical information](#)

[buy products](#)

[technical support](#)

[my Fairchild](#)

[company](#)

- Feedback control circuits
- Interfacing and coupling systems of different potentials and impedances
- General purpose switching circuits
- Monitor and detection circuits

[back to top](#)

Ordering information

The following options can be ordered with this part:

Option	Order Entry Identifier	Description
R1	R1	Surface-Mount Lead Bend Tape and Reel (500-pc reel)
R2	R2	Surface-Mount Lead Bend Tape and Reel (2500-pc reel)

[back to top](#)

Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
MOC205-M	Full Production	\$0.264	SOIC	8	RAIL
MOC205R1-M	Full Production	\$0.273	SOIC	8	TAPE REEL
MOC205R2-M	Full Production	\$0.273	SOIC	8	TAPE REEL

* 1,000 piece Budgetary Pricing

[back to top](#)

Safety agency certificates

Certificate	Agency	
8460,8461 (171 K)	BSI	British Standards Institution
136616 (161 K)	VDE	VDE Pruf-und Zertifizierungsinstitut
E90700, Vol. 2 (254 K)	UL	Underwriters Laboratories Inc.

[back to top](#)

[Home](#) | [Find products](#) | [Technical information](#) | [Buy products](#) |
[Support](#) | [Company](#) | [Contact us](#) | [Site index](#) | [Privacy policy](#)

[© Copyright 2002 Fairchild Semiconductor](#)

[Last updated: April 7, 2002](#)
