

RENESAS/CEL Optocouplers

RoHS Compliant This product is RoHS compliant.



California Eastern Laboratories

RENESAS/CEL SINGLE TRANSISTOR OPTOCOUPLEDERS

Applications:

- Can be used as an interface circuit for various instrumentations and control equipment in the following:
 - AC line/digital logic
 - Twisted pair line receiver
 - Digital logic/digital logic
 - Telephone/telegraph line receiver

Features:

- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety Standards:

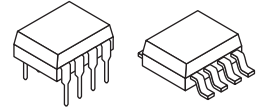
- UL = UL Recognized (UL File No: E72422(S))
- UL/BSI = UL Recognized and BSI Approved
- UL File No.: E72422(S)/BSI Approved No.: 7112/7420



LEAD-FREE



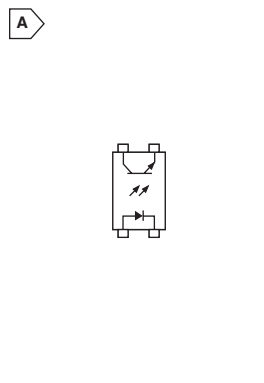
RoHS Compliant



DC Optocouplers, Low Speed Logic Applications

◆ Surface Mount For quantities greater than listed, call for quote.

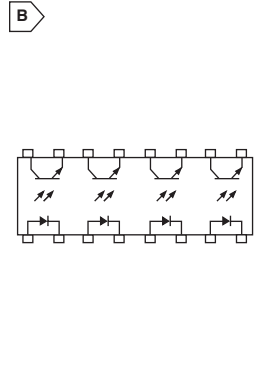
MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO	VECO	Typical Rise/Fall t_r / t_f (μ s)	Current Transfer Ratio (%)	Price Each			
										1	10	100	500
551-PS2501-1-A	PS2501-1-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.38	.32	.28	.24
551-PS2501-1-H-A	PS2501-1-H-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 160	.33	.28	.24	.21
551-PS2501-1-L-A	PS2501-1-L-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	200 to 400	.33	.28	.24	.21
551-PS2501A-1-A	PS2501A-1-A	A	DIP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.32	.28	.24	.20
◆ 551-PS2501L-1-A	PS2501L-1-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.46	.39	.34	.29
◆ 551-PS2501L-1-H-A	PS2501L-1-H-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	200 to 400	.44	.37	.32	.28
◆ 551-PS2501-4-A	PS2501-4-A	B	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.76	1.51	1.30	1.11
◆ 551-PS2501L-4-A	PS2501L-4-A	B	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.84	1.58	1.36	1.16
◆ 551-PS2701-1-A	PS2701-1-A	A	SOP-4	UL/BSI	50	40	6.0	3.0/5.0	50 to 300	.51	.43	.38	.32
◆ 551-PS2501AL-1-A	PS2501AL-1-A	A	DIP-4	UL	30	70	5.0	3.0/5.0	50 to 400	.38	.32	.28	.24
◆ 551-PS2701A-1-A	PS2701A-1-A	A	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 300	.43	.37	.32	.27
◆ 551-PS2801C-1-A	PS2801C-1-A	A	DIP-4	UL	30	80	5.0	5.0/7.0	50 to 400	.50	.46	.37	.32
◆ 551-PS2801-1-A	PS2801-1-A	A	SSOP-4	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	.95	.85	.715	.615
◆ 551-PS2801C-4-A	PS2801C-4-A	B	SSOP-16	UL	30	80	5.0	5.0/7.0	50 to 400	2.26	2.10	1.68	1.51
◆ 551-PS2801A-1-A	PS2801A-1-A	A	SSOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.80	.69	.595	.51
◆ 551-PS2801-4-A	PS2801-4-A	B	SSOP-16	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	3.20	2.63	2.48	2.11
◆ 551-PS2801A-4-A	PS2801A-4-A	B	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	3.60	3.20	2.67	2.26



AC Optocouplers High Isolation Voltage

◆ Surface Mount For quantities greater than listed, call for quote.

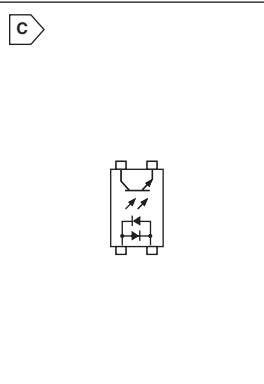
MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO	VECO	Typical Rise/Fall t_r / t_f (μ s)	Current Transfer Ratio (%)	Price Each			
										1	10	100	500
551-PS2505-1-A	PS2505-1-A	C	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.39	.33	.29	.24
◆ 551-PS2505L-1-A	PS2505L-1-A	C	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.54	.46	.40	.34
◆ 551-PS2505-4-A	PS2505-4-A	D	DIP-16	UL/BSI	80	80	7.0	3.0/5.0	80 to 600	2.43	2.10	1.80	1.53
◆ 551-PS2505L-4-A	PS2505L-4-A	D	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	2.30	1.80	1.70	1.45
◆ 551-PS2705-1-A	PS2705-1-A	C	SOP-4	UL/BSI	50	40	6.0	3.0/5.0	50 to 300	.88	.77	.612	.475
◆ 551-PS2705A-1-A	PS2705A-1-A	C	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.61	.51	.451	.344
◆ 551-PS2805-1-A	PS2805-1-A	C	SSOP-4	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	.77	.68	.59	.48
◆ 551-PS2805C-4-A	PS2805C-4-A	C	DIP-4	UL	30	80	5.0	5.0/7.0	50 to 400	2.76	2.55	2.04	1.83
◆ 551-PS2805-4-A	PS2805-4-A	D	SSOP-16	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	4.98	4.22	3.81	3.38
◆ 551-PS2805A-4-A	PS2805A-4-A	D	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	3.68	2.86	2.58	2.30



Optocouplers Optimized For Analog Feedback

◆ Surface Mount For quantities greater than listed, call for quote.

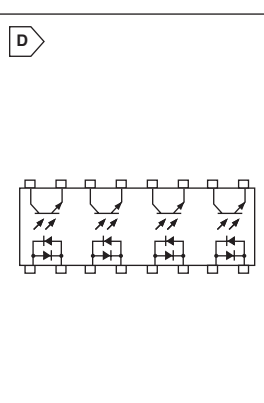
MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO	VECO	Typical Rise/Fall t_r / t_f (μ s)	Current Transfer Ratio (%)	Price Each			
										1	10	100	500
DC Devices													
◆ 551-PS2711-1-A	PS2711-1-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.67	.60	.50	.39
◆ 551-PS2711-1-M-A	PS2711-1-M-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 200	.56	.48	.42	.35
◆ 551-PS2811-1-A	PS2811-1-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	1.00	.90	.741	.582
◆ 551-PS2811-1-M-A	PS2811-1-M-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 200	1.00	.90	.741	.582
◆ 551-PS2811-4-A	PS2811-4-A	B	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	2.42	2.35	2.19	2.12
◆ 551-PS2911-1-A	PS2911-1-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	1.18	1.05	.88	.75
◆ 551-PS2911-1-K-A	PS2911-1-K-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	200 to 400	1.39	1.12	.968	.823
AC Devices													
◆ 551-PS2715-1-A	PS2715-1-A	C	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.93	.83	.698	.589
◆ 551-PS2815-1-A	PS2815-1-A	C	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	1.08	.94	.73	.67
◆ 551-PS2815-4-A	PS2815-4-A	D	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	4.42	3.44	3.10	2.76
◆ 551-PS2915-1-A	PS2915-1-A	C	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	1.46	1.31	1.11	.96



Optocouplers

◆ Surface Mount For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO	VECO	Typical Rise/Fall t_r / t_f (μ s)	Current Transfer Ratio (%)	Price Each			
										1	10	100	500
DC Devices, High Isolation Voltage													
551-PS2561-1-A	PS2561-1-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.51	.44	.38	.32
551-PS2561A-1-A	PS2561A-1-A	A	DIP-4	UL/BSI	30	70	5.0	5.0/7.0	50 to 300	.41	.35	.30	.26
◆ 551-PS2561L-1-H-A	PS2561L-1-H-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 160	.46	.39	.34	.29
◆ 551-PS2561AL-1-H-A	PS2561AL-1-H-A	A	DIP-4	UL/BSI	30	70	5.0	5.0/7.0	50 to 300	.45	.38	.33	.28
AC Devices													
◆ 551-PS2565-1-A	PS2565-1-A	C	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.62	.53	.46	.39
◆ 551-PS2565L-1-A	PS2565L-1-A	C	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.65	.56	.48	.41



High Speed and High VCE Optocouplers

◆ Surface Mount For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO	VECO	Typical Rise/Fall t_r / t_f (μ s)	Current Transfer Ratio (%)	Price Each			
										1	10	100	500
551-PS2503-1-A	PS2503-1-A	A	DIP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.84	.72	.62	.53
◆ 551-PS2503L-1-A	PS2503L-1-A	A	DIP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.89	.77	.66	.56
551-PS2513-1-A	PS2513-1-A	A	DIP-4	UL	60	120	6.0	3.0/4.0	25 to 100	.67	.577	.493	.42
◆ 551-PS2703-1-A	PS2703-1-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	50 to 400	.59	.51	.44	.37
◆ 551-PS2703-1-K-A	PS2703-1-K-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	200 to 400	.53	.45	.39	.33
◆ 551-PS2703-1-M-A	PS2703-1-M-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	50 to 150	.68	.57	.501	.424
◆ 551-PS2913-1-A	PS2913-1-A	A	MiniFlat-4	UL	50	120	6.0	10/10	50 to 200	1.25	1.08	.93	.79
◆ 551-PS2913-1-M-A	PS2913-1-M-A	A	MiniFlat-4	UL/BSI	50	120	6.0	10/10	50 to 100	1.25	1.08	.93	.79