

LITTELFUSE SIDACTors®



This product is RoHS compliant.

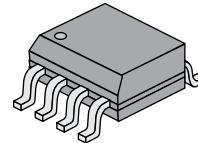
SIDACTors® PROTECTION THYRISTORS

The MS-012 packaged fixed voltage enhanced single port series are SIDACTor devices designed to protect sensitive SLICs (subscriber line interface circuits) from damaging overvoltage transients.

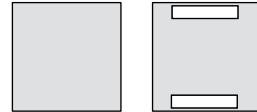
- Single port protection in one package
- Does not degrade with use
- Low voltage overshoot
- Pin-to-pin SO-8 compatible footprint

For quantities of 50 and up, call for quote.

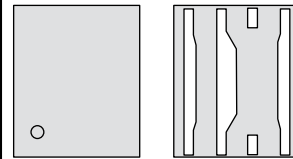
MOUSER STOCK NO.	Littelfuse Part No.	Package	Dimensions: mm		Ih mAmps	Is mAmps	It Amps	Price Each			Price per Reel	
			Vdrmm	Vs				1	50	100	Qty.	Each
Fixed Voltage Single Port Series												
576-P0641DF-1	P0641DF-1	MS-012	58	77	150	800	1	.86	.81	.767	2500	.641
576-P0721DF-1	P0721DF-1	MS-012	65	88	150	800	1	.86	.81	.767	2500	.641
576-P0901DF-1	P0901DF-1	MS-012	75	98	150	800	1	.86	.81	.767	2500	.641
576-P1001DF-1	P1001DF-1	MS-012	85	110	150	800	1	.95	.90	.86	2500	.731
576-P1101DF-1	P1101DF-1	MS-012	95	130	150	800	1	.86	.81	.767	2500	.641
Fixed Voltage Enhanced Single Port Series												
576-P0641DF-1E	P0641DF-1E	MS-012	58	77	150	800	1	.95	.90	.86	2500	.731
576-P0721DF-1E	P0721DF-1E	MS-012	65	88	150	800	1	.95	.90	.86	2500	.731
576-P0901DF-1E	P0901DF-1E	MS-012	75	98	150	800	1	.95	.90	.86	2500	.731
576-P0991DF-1E	P0991DF-1E	MS-012	80	104	150	800	1	.95	.90	.86	2500	.731
576-P1001DF-1E	P1001DF-1E	MS-012	85	110	150	800	1	.95	.90	.86	2500	.731
576-P1101DF-1E	P1101DF-1E	MS-012	95	130	150	800	1	.86	.81	.767	2500	.641
576-P1301DF-1E	P1301DF-1E	MS-012	120	160	150	800	1	.95	.90	.86	2500	.731
576-P1701DF-1E	P1701DF-1E	MS-012	160	200	150	800	1	.86	.81	.767	2500	.641



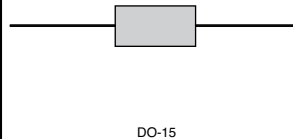
MS-012



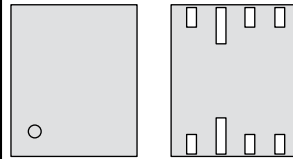
QFN 3x3



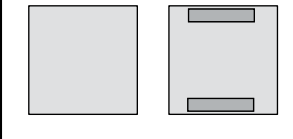
QFN 5x6x1.5



DO-15



QFN 5x6x1.5



QFN 3.3x3.3 / 3x3

SIDACTors® DEVICES

DO-214AA SIDACTor solid state protection devices protect telecommunications equipment such as; modems, line cards, and CPE (telephones, answering machines, and fax machines).

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Volts			Idrm Uamps	Is mAmps	It Amps	Ih mAmps	Price Each			Price Per Reel	
			Vdrmm	Vs	Vt					1	10	50	Qty.	Each
576-P0080SALRP	P0080SALRP	DO-214AA	6	25	4	5	800	2.2	50	1.02	.90	.86	2500	.53
576-P0080SBLRP	P0080SBLRP	DO-214AA	6	25	4	5	800	2.2	50	1.18	.98	.90	2500	.547
576-P0080SCLRP	P0080SCLRP	DO-214AA	6	25	4	5	800	2.2	50	.98	.93	.88	2500	.645
576-P0220SALRP	P0220SALRP	DO-214AA	15	32	4	5	800	2.2	50	1.02	.90	.86	2500	.53
576-P0300SALRP	P0300SALRP	DO-214AA	25	40	4	5	800	2.2	50	1.02	.90	.86	2500	.53
576-P0300SAMCLRP	P0300SAMCLRP	DO-214AA	25	40	4	5	800	2.2	50	1.78	.73	.70	2500	.601
576-P0300SBLRP	P0300SBLRP	DO-214AA	25	40	4	5	800	2.2	50	1.18	.98	.90	2500	.547
576-P0640SALRP	P0640SALRP	DO-214AA	58	77	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P0640SCLRP	P0640SCLRP	DO-214AA	58	77	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P0720SALRP	P0720SALRP	DO-214AA	65	88	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P0720SBLRP	P0720SBLRP	DO-214AA	65	88	4	5	800	2.2	150	1.18	.98	.90	2500	.625
576-P0720SCLRP	P0720SCLRP	DO-214AA	65	88	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P0900SALRP	P0900SALRP	DO-214AA	75	98	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P0900SBLRP	P0900SBLRP	DO-214AA	75	98	4	5	800	2.2	150	1.18	.98	.90	2500	.62
576-P0900SCLRP	P0900SCLRP	DO-214AA	75	98	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P1100SALRP	P1100SALRP	DO-214AA	90	130	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P1100SBLRP	P1100SBLRP	DO-214AA	90	130	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P1100SCLRP	P1100SCLRP	DO-214AA	90	130	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P1300SALRP	P1300SALRP	DO-214AA	120	160	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P1300SBLRP	P1300SBLRP	DO-214AA	120	160	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P1300SCLRP	P1300SCLRP	DO-214AA	120	160	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P1500SALRP	P1500SALRP	DO-214AA	140	180	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P1500SCLRP	P1500SCLRP	DO-214AA	140	180	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P1800SALRP	P1800SALRP	DO-214AA	170	220	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P1800SCLRP	P1800SCLRP	DO-214AA	170	220	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P2300SALRP	P2300SALRP	DO-214AA	190	260	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P2300SBLRP	P2300SBLRP	DO-214AA	190	260	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P2300SCLRP	P2300SCLRP	DO-214AA	190	260	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P2600SALRP	P2600SALRP	DO-214AA	220	300	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P2600SBLRP	P2600SBLRP	DO-214AA	220	300	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P2600SCLRP	P2600SCLRP	DO-214AA	220	300	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P3100SALRP	P3100SALRP	DO-214AA	275	350	4	5	800	2.2	150	1.02	.90	.86	2500	.53
576-P3100SBLRP	P3100SBLRP	DO-214AA	275	350	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P3100SCLRP	P3100SCLRP	DO-214AA	275	350	4	5	800	2.2	150	.98	.93	.88	2500	.645
576-P3500SALRP	P3500SALRP	DO-214AA	320	400	4	5	800	2.2	150	1.02	.90	.86	2500	.57
576-P3500SBLRP	P3500SBLRP	DO-214AA	320	400	4	5	800	2.2	150	1.18	.98	.90	2500	.547
576-P3500SCLRP	P3500SCLRP	DO-214AA	320	400	4	5	800	2.2	150	.98	.93	.88	2500	.645

SEP BIASED SIDACTors®

- Small footprint (QFN)
- Bidirectional transient voltage protection
- Teccor branded SIDACTor Technology
- Wide range of ratings
- Chip scale package (CSP) sizing

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Dimensions: mm		Volts Min.	Volts Max.	Ih Min.	Is	It Vt	Price Each			Price Per Reel	
			5X6X1.5	6						25 <th>50 <th>800 <th>2.2 <th>1.53 <th>1.47 <th>1.44 <th>4000 <th>1.30 </th></th></th></th></th></th></th></th>	50 <th>800 <th>2.2 <th>1.53 <th>1.47 <th>1.44 <th>4000 <th>1.30 </th></th></th></th></th></th></th>	800 <th>2.2 <th>1.53 <th>1.47 <th>1.44 <th>4000 <th>1.30 </th></th></th></th></th></th>	2.2 <th>1.53 <th>1.47 <th>1.44 <th>4000 <th>1.30 </th></th></th></th></th>	1.53 <th>1.47 <th>1.44 <th>4000 <th>1.30 </th></th></th></th>
576-SEP0080Q38CB	SEP0080Q38CB	QFN	5X6X1.5	6	25	50	800	2.2	1.53	1.47	1.44	4000	1.30	
576-SEP0640Q38CB	SEP0640Q38CB	QFN	5X6X1.5	58	77	150	800	2.2	1.53	1.47	1.44	4000	1.30	
576-SEP0900Q38CB	SEP0900Q38CB	QFN	5X6X1.5	75	98	150	800	2.2	1.53	1.47	1.44	4000	1.30	

Q2L SERIES SIDACTors®

- Small footprint (QFN)
- Bidirectional transient voltage protection
- Teccor branded SIDACTor Technology
- Wide range of ratings
- Chip scale package (CSP) sizing

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Dimensions: mm		Volts Min.	Volts Max.	Rating	Ih Min.	Is mAmps	IT Amps	Price Each			Price Per Reel	
			3X3	6 <th>25 <th>50 <th>800 <th>2.2 <th>1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th></th></th></th></th></th>							25 <th>50 <th>800 <th>2.2 <th>1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th></th></th></th></th>	50 <th>800 <th>2.2 <th>1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th></th></th></th>	800 <th>2.2 <th>1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th></th></th>	2.2 <th>1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th></th>	1.20 <th>.97 <th>.76 <th>5000 <th>.514 </th></th></th></th>
Q2L Series (A & B-rated) SIDACTor Devices															
576-P0080Q12ALRP	P0080Q12ALRP	QFN	3X3	6	25	A	50	800	2.2	1.20	.97	.76	5000	.514	
576-P0080Q12BLRP	P0080Q12BLRP	QFN	3X3	6	25	B	50	800	2.2	1.31	1.06	.87	5000	.564	
576-P3500Q12BLRP	P3500Q12BLRP	QFN	3X3	320	400	B	150	800	2.2	1.31	1.06	.87	5000	.564	
Q2L Series (C-rated) SIDACTor Devices															
576-P0080Q22CLRP	P0080Q22CLRP	QFN	3.3X3.3	6	25	C	50	800	2.2	1.32	1.08	.87	5000	.627	
576-P0300Q22CLRP	P0300Q22CLRP	QFN	3.3X3.3	25	40	C	50	800	2.2	1.32	1.08	.87	5000	.627	
576-P0720Q22CLRP	P0720Q22CLRP	QFN	3.3X3.3	65	88	C	150	800	2.2	1.32	1.08	.87	5000	.627	
576-P1500Q22CLRP	P1500Q22CLRP	QFN	3.3X3.3	140	180	C	150	800	2.2	1.32	1.08	.87	5000	.627	
576-P1800Q22CLRP	P1800Q22CLRP	QFN	3.3X3.3	170	220	C	150	800	2.2	1.32	1.08	.87	5000	.627	