

Order Multiple=5		Price Each				
Mfrs. List No.	Order Code	5+	25+	100+	250+	1K+
STTA106U	332-8260					
STTA112U	332-8272					
STTA206S	332-8284					
Order Multiple=1		1+	25+	100+	250+	1K+
STTA1206D	.291-754					
STTA1206DI	741-632					
STTA1512P	519-637					
STTA2006P	.291-766					
STTA3006CW	935-396					
STTA3006P	.291-778					
STTA3006PI	741-644					
STTA506D	.291-742 †					
STTA506F	332-8302					
STTA512F	332-8314					
STTA806D	.519-601					
STTA806DI	935-402					
STTB506D	519-546					
STTH12003TV1	162-991					
STTH2003CT	163-004 †					
STTH6003CW	163-144					
STTH6003TV1	163-028					
STTH803D	163-132 †					
STTH806T-T1	302-3047					

† Available until stocks are exhausted

8A to 80A Soft-Recovery

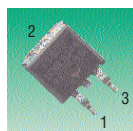
Soft recovery diodes offer reduced RFI emission due to the reduced slope of their reverse recovery current characteristic.

V <sub>RRM</sub> V	I <sub>F</sub> (AV) A	I <sub>FRM</sub> A	I <sub>FSM</sub> A	t <sub>rr</sub> max. ns	V <sub>F</sub> max. V	Package	Mfr.	Mfrs. List No.
50	8.0	—	150	20	1.0	DO-220	GS	UG8AT
200	8.0	—	150	20	1.0	DO-220	GS	UG8DT
200	15.0	—	200	35	1.05	DO-220	ON	MUR1520
200	30.0	70	325	45	1.0	DO-220	INTS	▲ RURP3020
200	2 3 0	70	325	50	1.0	TO-247	INTS	▲ RURG3020CC
400	8.0	—	100	50	1.3	DO-220	TFK	BYT108/400
400	8.0	—	100	50	1.3	DO-220	ON	MUR840
400	15.0	—	150	60	1.25	DO-220	ON	MUR1540
400	2 8 5	—	300	100	1.5	D-61-8	IR	▲ HFA80NC40C
600	4.0	8	40	35	2.1	TO-251	INTS	▲ RHRD460
600	8.0	24	60	55	1.7	DO-220	IR	▲ HFA08TB60
600	8.0	16	100	60	1.5	DO-220	INTS	RURP860
600	8.0	16	100	35	2.1	DO-220	INTS	▲ RHRP860
600	12.0	420	—	100	1.4	DO-220	ST	STTB1206D
600	15.0	60	150	60	1.7	DO-220	IR	▲ HFA15TB60
600	15.0	30	200	40	2.1	DO-220	INTS	▲ RHRP1560
600	30.0	700	—	110	1.4	SOD-93	ST	STTB3006P
600	2 1 5	30	200	60	1.5	TO-247	INTS	▲ RURG1560CC
600	30.0	70	325	40	2.1	DO-220	INTS	▲ RHRP3060
600	30.0	70	325	55	1.5	DO-220	INTS	▲ RURP3060
600	30.0	70	325	60	1.5	DO-247	INTS	▲ RURG3060
600	50.0	100	500	75	1.6	DO-247	INTS	▲ RURG5060
600	80.0	160	800	85	1.6	DO-247	INTS	▲ RURG8060
600	2 5 6	—	200	110	1.5	D-61-8	IR	▲ HFA70NC60C
1200	5.0	75	—	95	2.2	DO-220	ST	STTA512D
1200	8.0	120	—	100	2.2	DO-220	ST	STTA812D
1200	10.0	—	100	175	2.2	DO-220	ON	MUR10120E
1200	12.0	180	—	100	2.2	DO-220	ST	STTA1212D
1200	20.0	30	150	80	2.5	DO-220	SKN	SKR20F12
1200	25.0	300	—	110	2.1	SOD-93	ST	STTA2512P
1200	30.0	60	300	75	3.2	DO-247	INTS	▲ RHRG30120
1200	31.0	47	320	100	2.35	SOD-93	SKN	SKR31F12
1200	30.0	60	300	65	2.1	DO-247	INTS	▲ RHRG3060
1200	48.0	72	500	80	2.5	SOD-93	SKN	SKR48F12
1200	50.0	100	500	100	3.2	DO-247	INTS	▲ RHRG50120
1200	50.0	100	500	200	2.1	DO-247	INTS	▲ RURG50120
1500	10.0	—	100	175	2.4	DO-220	ON	MUR10150E

▲ Denotes reverse avalanche energy rated

SD106 / SD106A

TO-263



Pin Config. 1 2 3  
a K K A  
b A K A  
H = 4.83,  
W = 10.67, D = 15.88



- Ultra-fast recovery times
- Low forward voltage
- Glass passivated chip junctions
- Soft reverse recovery options
- **UL94V-0 rated**

I <sub>F</sub> (AV) A	V <sub>RRM</sub> V	I <sub>FSM</sub> V	t <sub>rr</sub> ns	V <sub>F</sub> V	@	I <sub>F</sub> A	Pin Config.	Mfrs. List No.
16	200	250	35	0.975	16	a	FESB16DT	
16	600	250	50	1.5	16	a	FESB16JT	
18	100	150	35	1.15	20	b	BYVB32-100	
18	200	150	35	1.15	20	b	BYVB32-200	

Soft Recovery Characteristics

I <sub>F</sub>	V <sub>RRM</sub>	I <sub>FSM</sub>	t <sub>rr</sub>	V <sub>F</sub>	@	I <sub>F</sub>	Pin Config.	Mfrs. List No.
8	100	150	20	1.0	8	a	UGB8BT	
8	200	150	20	1.0	8	a	UGB8DT	
18	100	175	20	1.2	20	b	UGB18BCT	
18	200	175	20	1.2	20	b	UGB18DCT	

SD108

		Price Each			
Mfrs. List No.	Order Code	1+	25+	100+	1K+
BYVB32-100	877-050				
BYVB32-200	877-062				
FESB16DT	877-037				
FESB16JT	877-049				
UGB8BT	.743-811				
UGB8DT	877-001				
UGB18BCT	877-013				
UGB18DCT	877-025				

Soft-Recovery, Axial For Improved EMI Suppression



DO-15 L = 7.6, Dia. = 3.6  
DO-201AD L = 9.5, Dia. = 5.3

Nitride oxide passivated junction, soft-gold doped. **UL94V-0** rated.

I <sub>F</sub> av A	I <sub>FSM</sub> A	t <sub>rr</sub> max ns	V <sub>F</sub> max V	Package	Series
2.0	80	15	1.07	DO-15	SBYV27...
3.5	150	20	1.1	DO-201AD	SBYV28...

SD303

Order Multiple=5		Price Each				
V <sub>RRM</sub> max., V	Mfrs. List No.	Order Code	5+	25+	100+	1K+
50	SBYV27-50	.737-756				
100	SBYV27-100	.737-768				
150	SBYV27-150	737-770				
200	SBYV27-200	.737-781				
Order Multiple=1		1+	25+	100+	1K+	
150	SBYV28-150	.737-811 †				
200	SBYV28-200	.737-823				

† Available until stocks are exhausted

		Price Each				
Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
BYT108/400	995-241					
HFA08TB60	.273-612					
HFA15TB60	273-624					
HFA70NC60C	.167-873					
HFA80NC40C	.167-885					
MUR840	708-276					
MUR1520	708-306					
MUR1540	708-318					
MUR10120E	708-288					
MUR10150E	708-290					
RHRD460	.506-989					
RHRG3060	.516-521					
RHRG30120	.506-990					
RHRG50120	.549-083					
RHRP860	.516-491					
RHRP1560	.516-508					
RHRP3060	.516-510					
RURG1560CC	.549-034					
RURG3020CC	.549-046					
RURG3060	.548-984					
RURG5060	.506-977 †					
RURG8060	.549-009					
RURG50120	.548-996					
RURP3020	.432-647					
RURP3060	.432-659					
RURP860	432-611					
SKR20F12	936-960					
SKR31F12	936-972					
SKR48F12	.936-984					
STTA512D	.519-595					
STTA812D	.519-613					
STTA1212D	.519-625					
STTA2512P	.519-649					
STTB1206D	.519-560					
STTB3006P	.519-583					
UG8AT	433-512					
UG8DT	434-322					

† Available until stocks are exhausted

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