

Power Diodes – Ultra-Fast Recovery — continued

Ultra-Fast Recovery Diodes

$I_F$ (av) A	$I_F$ (rms) A	$V_{RRM}$ V	$V_{FSM}$ V	$I_{FSM}$ A	$t_{rr}$ max (*typ) ns	$V_f$ V	@ $I_F$ A	Package	Mfrs. List No.
8	16	600	—	120	30	2.1	8	TO-220AC	8ETH06
8	—	1200	1300	170	80	1.3	8	D-Pak	8EWF12S
10	—	1000	1100	160	80	1.33	10	TO-220AC	10ETF10
10	—	1200	1300	160	80	1.33	10	TO-220AC	10ETF12
10	—	1200	1300	160	80	1.33	10	D2-PAK	10ETF12S
15	30	600	—	200	35	2.1	15	TO-220AC	15ETH06
20	—	1000	1100	355	95	1.31	20	TO-220AC	20ETF10
20	—	1200	1300	355	95	1.31	20	TO-220AC	20ETF12
30	—	1000	1100	350	95	1.41	30	TO-247	30CPF10
30	—	1200	1300	350	95	1.41	30	TO-247	30CPF12
30	—	1000	1100	350	95	1.41	30	TO-247AC	30EPF10
30	—	1200	1300	350	95	1.41	30	TO-247AC	30EPF12
40	—	1000	1100	475	95	1.25	20	TO-247AC	40EPF10
40	—	1200	1300	475	95	1.25	20	TO-247AC	40EPF12
60	—	1000	1100	700	95	1.2	30	TO-247	60CPF10
60	—	1200	1300	700	95	1.2	30	TO-247	60CPF12
60	—	1000	1100	700	95	1.2	30	TO-247AC	60EPF10
60	—	1200	1300	700	95	1.2	30	TO-247AC	60EPF12
70	135	200	—	600	70	1.35	80	PowlRtab <sup>®</sup>	70EPF02
70	135	400	—	600	70	1.35	80	PowlRtab <sup>®</sup>	70EPF04
70	135	600	—	600	70	1.35	80	PowlRtab <sup>®</sup>	70EPF06
70	135	1000	1100	700	95	1.4	85	PowlRtab <sup>®</sup>	70EPF10
70	135	1200	1300	700	95	1.4	85	PowlRtab <sup>®</sup>	70EPF12
80	—	1000	1100	1100	90	1.2	40	PowlRtab <sup>®</sup>	80EPF10
80	—	1200	1300	1300	90	1.2	40	PowlRtab <sup>®</sup>	80EPF12
100	160	200	—	800	95	1.4	100	PowlRtab <sup>®</sup>	85EPF02
100	160	400	—	800	95	1.4	100	PowlRtab <sup>®</sup>	85EPF04
100	160	600	—	800	95	1.4	100	PowlRtab <sup>®</sup>	85EPF06
100	160	1000	1100	800	95	1.4	100	PowlRtab <sup>®</sup>	85EPF10
100	160	1200	1300	800	95	1.4	100	PowlRtab <sup>®</sup>	85EPF12



$I_F$ (av) A	$V_{RRM}$ V	$I_{FSM}$ @ 50Hz A	$t_{rr}$ max ns	$V_f$ V @	$I_F$ A	Mfrs. List No.	
2	30	600	300	35	1.4	30	DSEI2x31-06C
2	60	600	550	35	1.5	60	DSEI2x61-06C
2	60	1000	500	35	1.8	60	DSEI2x61-10B
2	71	200	950	35	0.88	60	DSEI2x61-02A
2	96	600	1200	35	1.17	100	DSEI2x101-06A
2	123	200	1200	35	0.95	120	DSEI2x121-02A

SD479

Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
DSEI2x101-06A	305-2930					
DSEI2x121-02A	305-2928					
DSEI2x61-06C	305-2898					
DSEI2x61-02A	305-2916					
DSEI2x61-06C	305-2904					
DSEI2x61-10B	305-2941					
DSEI8-06A	305-2825					
DSEI12-06A	305-2837					
DSEI12-12A	305-2849					
DSEI30-06A	305-2783					
DSEI30-10A	305-2795					
DSEI60-06A	305-2801					
DSEI60-10A	305-2813					
DSEI120-06A	305-2874					
DSEK60-02A	305-2886					
DSEK60-06A	305-2862					

SMA, SMC, SOD-106A



	H	W	D	X	Y	Z
SMA	2.29	5.28	2.79	4.1	1.7	1.8
SMC	2.62	8.13	6.22	6.5	3.2	1.8
SOD106A	2.65	5.50	2.50	5.5	2.5	3.1
SOD6	2.41	5.59	3.93	4.27	2.3	1.52



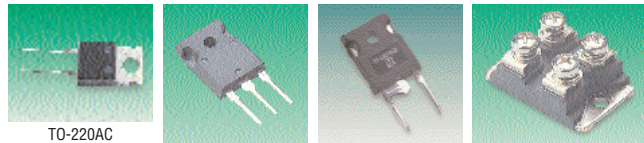
Supplied on 12mm tape.

$I_F$ (AV) A	$V_{RRM}$ V	$I_{FSM}$ A	$t_{rr}$ max ns	$V_f$ V @	$I_F$ A	Package	Mfr	Mfrs. List No.
1.0	100	30	15	0.92	1	SMA	GS	ES1B
1.0	150	30	15	0.92	1	SMA	GS	ES1C
1.0	200	30	15	0.92	1	SMA	GS	ES1D
1.5	600	30	75	1.3	1	SOD106A	TFK	BYG20J
2.0	200	35	25	1.0	1	SOD106A	TFK	BYG22D
2.0	200	50	35	0.85	2	SOD6	ST	SMBYW02-200
3.0	100	100	20	0.9	3	SMC	GS	ES3B
3.0	150	100	20	0.9	3	SMC	GS	ES3C
3.0	200	100	20	0.9	3	SMC	GS	ES3D

SD203

Mfrs. List No.	Order Code	5+	100+	250+	1K+	3K+
BYG20J	995-216					
BYG22D	995-228					
ES1B	.484-465					
ES1C	.484-477					
ES1D	.484-489					
ES3B	.484-490					
ES3C	.484-507					
ES3D	.484-519					
SMBYW02-200	996-579					

Ultra-Fast Recovery, Epitaxial Diodes



$I_F$ (av) A	$V_{RRM}$ V	$I_{FSM}$ @ 50Hz A	$t_{rr}$ max ns	$V_f$ V @	$I_F$ A	Mfrs. List No.	
<b>TO-220</b>							
8	660	110	35	1.3	8	DSEI8-06A	
11	1200	75	50	2.2	12	DSEI12-12A	
14	600	100	35	1.5	14	DSEI12-06A	
<b>TO-247(AC)</b>							
30	1000	200	35	2.0	30	DSEI30-10A	
37	600	300	35	1.4	37	DSEI30-06A	
60	600	550	35	1.5	70	DSEI60-06A	
65	1000	500	35	1.8	60	DSEI60-10A	
130	600	600	35	1.55	70	DSEI120-06A	
<b>TO-247(AB)</b>							
2	30	600	300	35	1.4	37	DSEK60-06A
2	34	200	325	35	0.85	30	DSEK60-02A

continued

**Metric Values**

Yes, we're metric! All dimensions appear in metric values unless otherwise stated.

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