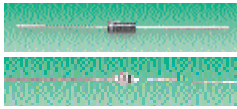


Power Diodes – Fast Recovery — continued

0.5A to 6A Axial



<b>TS-1</b> L = 3.3, Dia. = 2.7	<b>R-1</b> L = 3.5, Dia. = 2.6
<b>DO-41</b> L = 5.2, Dia. = 2.7	<b>R-6</b> L = 9.1, Dia. = 7.2
<b>DO-15</b> L = 7.6, Dia. = 3.6	<b>F126</b> L = 6.35, Dia. = 3.05
<b>DO-201AD</b> L = 9.5, Dia. = 5.6	<b>DO-27A</b> L = 9.8, Dia. = 5.1

$I_F$ (av) A	$I_{FSM}$ A	$t_{rr}$ max. ns	$V_F$ @ V	$I_F$ A	Package	Mfrs. List No./Series
1.0	150	30	1.3	1.0	TS-1	MC F1T1
1.0	150	30	1.3	1.0	R-1	MC 1F4
1.0	150	30	1.2	1.0	DO-41	MC 1N493...
1.0	150	30	1.3	1.0	DO-41	MC FR10...
1.0	150	30	1.3	1.0	DO-41	MC BA157/9
1.0	500	30	1.3	1.0	DO-41	MC PS1010R
1.5	150	50	1.3	1.5	DO-15	MC FR15...
2.0	250	70	1.3	3.0	DO-201AD	MC BY298/9
3.0	100	300	1.25	3.0	DO-201AD	ON MR85...
3.0	200	150	1.25	3.0	DO-27A	ST PFR856
3.0	150	100	1.3	3.0	DO-27A	ST BYT13-1000
3.0	150	150	1.3	3.0	DO-201AD	MC FR30...
3.0	500	200	1.3	3.0	DO-201AD	MC PS3010R
6.0	150	200	1.3	6.0	R-6	MC FR60...

Glass Passivated

0.5	20	150	1.5	1.0	DO-41	GS BA157GP
0.5	20	500	1.5	1.0	DO-41	GS BA159GP

SD320

$V_{RRM}$ max., V	Mfrs. List No.	Order Code	Price Each			
			5+	25+	100+	1K+
400	BA157	739-923				
400	BA157GP	366-365				
1000	BA159	739-935				
1000	BA159GP	366-377				
400	BY298	739-947				
800	BY299	739-959				
1000	BYT13-1000	366-523				
<b>Order Multiple=10</b>			<b>10+</b>	<b>100+</b>	<b>1K+</b>	<b>5K+</b>
200	FR103	739-870				
1000	FR107	739-893				
<b>Order Multiple=5</b>			<b>5+</b>	<b>25+</b>	<b>100+</b>	<b>1K+</b>
600	FR155	739-911				
<b>Order Multiple=5</b>			<b>5+</b>	<b>100+</b>	<b>1K+</b>	<b>5K+</b>
600	FR305	739-984				
1000	FR307	739-996				
50	FR601	740-007 †				
200	FR603	740-019				
1000	FR607	740-032 †				
200	MR852RL	NEW 352-6537				
400	MR854RL	NEW 352-6549				
600	MR856RL	NEW 352-6550				
1000	PS1010R	330-6940				
1000	PS3010R	330-7001				
<b>Order Multiple=10</b>			<b>10+</b>	<b>100+</b>	<b>1K+</b>	<b>5K+</b>
50	F1T1	739-844				
600	PFR856	366-791				
400	1F4	330-6902				
50	1N4933	366-924				
100	1N4934	366-936				
200	1N4935	366-948				
400	1N4936	366-950				
600	1N4937	366-961				

† Available until stocks are exhausted

High Efficiency



- Fast reverse recovery time,  $t_{rr}$
- Low forward voltage,  $V_F$
- Low cost axial packages

$I_F$ (av) A	$I_{FSM}$ A	$t_{rr}$ max. ns	$V_F$ @ V	$I_F$ A	Package	L	Dia.	Mfrs. List No./Series
1.0	30	50	1.0	1.0	DO-41	5.2	2.7	HER10*
1.0	30	50	1.0	1.0	DO-41	5.2	2.7	UF102
1.0	30	75	1.7	1.0	DO-41	5.2	2.7	UF108
1.5	50	50	1.0	1.5	DO-15	7.5	3.6	HER15*
3.0	150	50	1.0	3.0	DO-201AD	9.5	5.6	HER30*
3.0	150	50	1.1	3.0	DO-201AD	9.5	5.3	UF304
3.0	150	75	1.7	3.0	DO-201AD	9.5	5.3	UF308
6.0	200	60	1.3	6.0	R-6	9.1	7.2	HER60*
6.0	300	50	1.0	6.0	P600	9.1	9.1	UF600/601

SD298

$V_{RRM}$ max., V	Mfrs. List No.	Order Code	Price Each			
			10+	100+	1K+	5K+
50	HER101	646-738 †				
200	UF102	330-7086				
400	HER105	646-751 †				
800	HER107	646-763				
800	UF108	330-7098				
50	HER151	739-777				
200	HER153	739-789				
300	HER154	739-790				

continued

Order Multiple=5

$V_{RRM}$ max., V	Mfrs. List No.	Order Code	5+	Price Each		
				100+	500+	1K+
50	HER301	706-693 †				
300	HER304	739-819 †				
400	HER305	706-711				
400	UF304	330-7104				
800	UF308	330-7116				

Order Multiple=1

$V_{RRM}$ max., V	Mfrs. List No.	Order Code	1+	25+	100+	1K+
50	HER601	706-735				
50	UF600	330-7128				
100	HER602	706-747 †				
100	UF601	330-7130				
200	HER603	739-820				
400	HER605	706-759				
600	HER604	739-832				

† Available until stocks are exhausted

Fast Recovery Diodes



SOD-81



SOD-57



SOD-64



SOD-59

- Soft recovery design to minimise circuit switching oscillations and EMI
- Glass passivation and sealing for excellent stability under all conditions
- Very high maximum reverse voltages

$I_O$ (AV)/ $I_F$ (AV) (A)	$V_{RRM}$ (V)	$t_{rr}$ (ns)	LEADED PACKAGES			
			SOD81	SOD57	SOD64	SOD59
1.3	200	250	BYD33D			
1.3	600	250	BYD33J			
1.3	1000	300	BYD33M			
1.3	1400	500	BYD33V			
1.6	200	250		BYV95A		
1.6	400	250		BYV95B		
1.6	600	250		BYV95C		
1.6	800	300		BYV96D		
1.6	1000	300		BYV96E		
3.1	200	250			BYW95A	
3.1	600	250			BYW95C	
3.1	800	300			BYW96D	
3.1	1000	300			BYW96E	
8	200	135				BY229-200
8	600	135				BY229-600
8	800	135				BY229-800
8	800	135				BY329-800
8	1000	135				BY329-1000

SD24

Order Multiple=1

Mfrs. List No.	Order Code	1+	25+	Price Each		
				100+	250+	1K+
BY229-200	366-389					
BY229-600	366-390					
BY229-800	366-407					
BY329-1000	366-420					
BY329-800	435-030					

Order Multiple=5

Mfrs. List No.	Order Code	5+	100+	500+	1K+	3K+
BYD33D	367-308					
BYD33J	367-310					
BYD33M	367-321					
BYD33V	164-148 †					
BYV95A	367-412					
BYV95B	367-424					
BYV95C	367-436					
BYV96D	367-448					
BYV96E	367-450					
BYW95A	367-461					
BYW95C	367-485					
BYW96D	437-505					
BYW96E	367-497					

† Available until stocks are exhausted

5A to 60A



DO-220



SOD-93



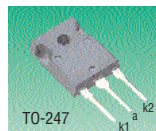
Isolated (DOP-31)



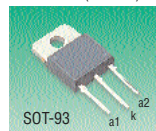
DO-4  
(a) 10-32 UNF2A  
(b) Metric M5



TO-220



TO-247



SOT-93