



THOMSON-CSF

# fast recovery rectifier diodes < 100 A

diodes de redressement rapide < 100 A

Types	I <sub>O</sub> (A)	V <sub>RRM</sub> (V)	I <sub>FSM</sub> 10 ms (A)	V <sub>F</sub> / I <sub>F</sub> max (V) (A)	I <sub>R</sub> /V <sub>RRM</sub> max (mA)	t <sub>rr</sub> max (ns)	Case
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**3 A / T<sub>amb</sub> = 90°C T<sub>j</sub> = 175°C**

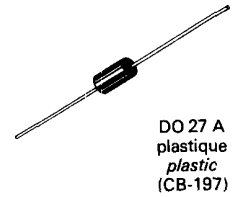
PFR 850	3	50	100	1,25	3	0,01	150 (1)	
PFR 851		100						150 (1)
PFR 852		200						150 (1)
PFR 854		400						150 (1)
PFR 856		600						200 (1)

**3 A / T<sub>amb</sub> = 50°C T<sub>j</sub> = 150°C**

BY 318-100	3	100	100	1,3	3	0,01	200 (1)
BY 318-200		200					
BY 318-400		400					
BY 318-600		600					

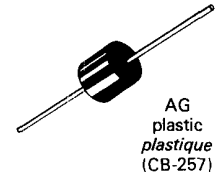
**3 A\* / T<sub>amb</sub> = 50°C T<sub>j</sub> = 150°C**

BY 396	3	100	100	1,3	3	0,01	500 (2)
BY 397		200					
BY 398		400					
BY 399		800					



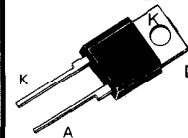
**3 A / T<sub>amb</sub> = 80°C T<sub>j</sub> = 150°C I<sup>2</sup>t = 340 A<sup>2</sup>s**

BYW 16-100	3	100	240	1,4	10	0,25 T <sub>j</sub> = 100°C	200 (3)
BYW 16-200		200					
BYW 16-400		400					
BYW 16-600		600					
BYW 16-800		800					
BYW 15-100		100					
BYW 15-200		200					
BYW 15-400		400					
BYW 15-600		600					
BYW 15-800		800					
BYW 14-100		100					
BYW 14-200		200					
BYW 14-400	400						
BYW 14-600	600						
BYW 14-800	800						



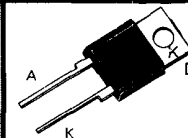
**6 A / T<sub>case</sub> = 115°C T<sub>j</sub> = 150°C**

BYT 71-100	6	100	90 T <sub>j</sub> = 100°C	1,3	6	1 T <sub>j</sub> = 100°C	300 (4)
BYT 71-400		400					
BYT 71-600		600					
BYT 71-800		800					



**6 A / T<sub>case</sub> = 115°C T<sub>j</sub> = 150°C**

BYV 71-100	6	100	90 T <sub>j</sub> = 100°C	1,3	6	1 T <sub>j</sub> = 100°C	300 (4)
BYV 71-400		400					
BYV 71-600		600					
BYV 71-800		800					



NEW

\* For V<sub>RRM</sub> = 1000V (BY 399S), please consult us  
Nous consulter pour V<sub>RRM</sub> = 1000V (BY 399 S)

.N : New product  
Nouveau produit.

\*\* For other connexion configuration, please consult us.  
Nous consulter pour autre configuration des connexions.

- (1) : I<sub>F</sub> = 1 A - V<sub>R</sub> = 30 V  
di<sub>F</sub>/dt = - 25 A/μs - I<sub>rr</sub> = 0,2 I<sub>RM</sub>
- (2) : I<sub>F</sub> = 10 mA - I<sub>R</sub> = 10 mA - I<sub>rr</sub> = 1 mA
- (3) : I<sub>F</sub> = 100 mA - I<sub>R</sub> = 100 mA - I<sub>rr</sub> = 50 mA
- (4) : I<sub>F</sub> = 1 A - V<sub>R</sub> = 30 V  
di<sub>F</sub>/dt = - 15 A/μs