

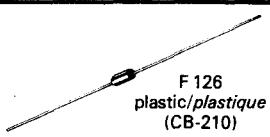
fast recovery rectifier diodes < 100 A

diodes de redressement rapide < 100 A

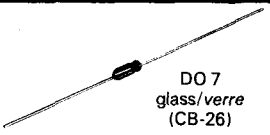


Types	I_O (A)	V_{RRM} (V)	I_{FSM} 10 ms (A)	V_F / I_F max (V) (A)	I_R/V_{RRM} max (μ A)	t_{rr} max (ns)	Case
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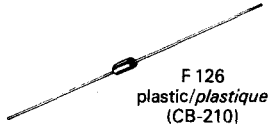
100 mA / $T_{amb} = 25^\circ C$ $T_j = 125^\circ C$

PR 05 PR 11 PR 21 PR 31 PR 41	0,1	50 100 250 350 450	30	1	0,1	2	1000 (1)	 F 126 plastic/plastique (CB-210)
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400 mA / $T_{amb} = 25^\circ C$ $T_j = 125^\circ C$ $C_o = 35$ pF@ -10 V

MC 22 MC 42 MC 43 MC 44 MC 45	0,4	100 200 300 400 500	3	1	0,4	100 $T_j = 100^\circ C$	200 (2)	 DO 7 glass/verre (CB-26)
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400 mA / $T_{amb} = 25^\circ C$ $T_j = 150^\circ C$

* BA 157 * BA 158 * BA 159	0,4	400 600 1000	30	1,5	1	5	300 (1)	 F 126 plastic/plastique (CB-210)
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500 mA / $T_{amb} = 50^\circ C$ $T_j = 150^\circ C$

PY 206 PY 207	0,5	400 600	15	1,5	2	125 $T_{amb} = 125^\circ C$	300 (3)
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750 mA / $T_{amb} = 50^\circ C$ $T_j = 125^\circ C$

PY 208-800 PY 208-1000	0,75	600 800	30	1,8	2	80 $T_{amb} = 125^\circ C$	350 (4)
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800 mA / $T_{amb} = 65^\circ C$ $T_j = 125^\circ C$ $ERSM = 1$ mJ

BY 406 A BY 407 A	0,8	350 600	20	1,55	2	125 @ $V_R = 300V$ 125 @ $V_R = 500V$ $T_j = 125^\circ C$	300 (5)
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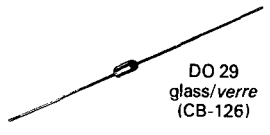
1 A / $T_{amb} = 25^\circ C$ $T_j = 125^\circ C$

PLQ 0,8 PLQ 1	1	80 100	20	1,1	1	500 $T_j = 100^\circ C$	50 (6)
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1 A / $T_{amb} = 25^\circ C$ $T_j = 200^\circ C$ $C_o = 40$ pF

EQ 1	1	100	20	1	1	500 $T_j = 100^\circ C$	50 (7)
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1 A / $T_{amb} = 55^\circ C$ $T_j = 175^\circ C$

BYV 88- 200 BYV 88- 400 BYV 88- 600 BYV 88- 800 BYV 88-1000	1	200 400 600 800 1000	30	1,3	1	100 $T_j = 100^\circ C$	150 (8) 150 (8) 150 (8) 250 (8) 500 (8)	 DO 29 glass/verre (CB-126)
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1 A / $T_{amb} = 25^\circ C$ $T_j = 150^\circ C$

ER 2 ER 4 ER 6 ER 8	1	200 400 600 800	20	1,3	1	200 $T_j = 100^\circ C$	1500 (2)
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* Type number + suffix T

* N° de type + suffixe T : $t_{rr} = 300$ ns ($I_F = 10$ mA - $I_R = 10$ mA)

(1) : $I_F = 2$ mA - $I_R = 2$ mA

(2) : $I_F = 100$ mA - $I_R = 100$ mA - $I_{rr} = 50$ mA

(3) : $I_F = 10$ mA - $V_R = 50$ V
 $di_F/dt = -0,5$ A/ μ s - $I_{rr} = 0,2$ I_{RM}

(4) : $I_F = 0,4$ A - $V_R = 50$ V

$di_F/dt = -20$ A/ μ s - $I_{rr} = 0,1$ I_{RM}

(5) : $I_F = 10$ mA - $V_R = 50$ V

$di_F/dt = -0,5$ A/ μ s - $I_{rr} = 0,1$ I_{RM}

(6) : $I_F = 1$ A - $V_R = 30$ V
 $di_F/dt = -50$ A/ μ s

(7) : $I_F = 1$ A - $I_R = 1$ A - $I_{rr} = 0,1$ A

(8) : $I_F = 0,5$ A - $I_R = 1$ A - $I_{rr} = 0,25$ A