

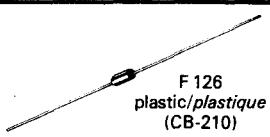
fast recovery rectifier diodes < 100 A

diodes de redressement rapide < 100 A

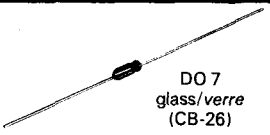


Types	I _O (A)	V _{RRM} (V)	I _{FSM} 10 ms (A)	V _F / I _F max (V) (A)	I _R /V _{RRM} max (μA)	t _{rr} max (ns)	Case
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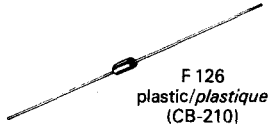
100 mA / T_{amb} = 25°C T_j = 125°C

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°C T_j = 125°C C₀ = 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°C	200 (2)	 DO 7 glass/verre (CB-26)
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400 mA / T_{amb} = 25°C T_j = 150°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°C T_j = 150°C

PY 206 PY 207	0,5	400 600	15	1,5	2	125 T _{amb} = 125°C	300 (3)
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750 mA / T_{amb} = 50°C T_j = 125°C

PY 208-800 PY 208-1000	0,75	600 800	30	1,8	2	80 T _{amb} = 125°C	350 (4)
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800 mA / T_{amb} = 65°C T_j = 125°C E_{RSM} = 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°C	300 (5)
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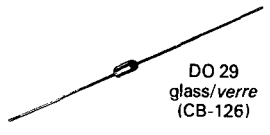
1 A / T_{amb} = 25°C T_j = 125°C

PLQ 0,8 PLQ 1	1	80 100	20	1,1	1	500 T _j = 100°C	50 (6)
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1 A / T_{amb} = 25°C T_j = 200°C C₀ = 40 pF

EQ 1	1	100	20	1	1	500 T _j = 100°C	50 (7)
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1 A / T_{amb} = 55°C T_j = 175°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°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°C T_j = 150°C

ER 2 ER 4 ER 6 ER 8	1	200 400 600 800	20	1,3	1	200 T _j = 100°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/μs - I_{rr} = 0,2 I_{RM}

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

di_F/dt = -20 A/μs - I_{rr} = 0,1 I_{RM}

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

di_F/dt = -0,5 A/μs - I_{rr} = 0,1 I_{RM}

(6) : I_F = 1 A - V_R = 30 V

di_F/dt = -50 A/μs

(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