

CONVERTIR L'ENERGIE

ELECTRONIQUE DE PUISSANCE : TABLEAU DE CHOIX DES DIODES

TYPES	I _F (A)	I ₀ (A)	V _{RRM} (V)	I _{FRM} (A)	I _{FSM(A)} 10 ms	V _{FM} (V)	I _R (mA)	Boitier Case
3 A / t_{amb} = 150°C t_{vj} = 175°C I²t = 200 A².s						I _{FM} =10 A	t _{vj} =150°C	
1N 1581, (R) 1N 1582, (R) 1N 1583, (R) 1N 1584, (R) 1N 1585, (R) 1N 1586, (R) 1N 1587, (R)	3,2	3	50 100 200 300 400 500 600	15	200	1,2	0,5	D0 4
6A / t_{amb} = 150°C t_{vj} = 175°C I²t = 200 A².s						I _{FM} =20 A	t _{vj} =150°C	
1N 1341 B, (R) 1N 1342 B, (R) 1N 1344 B, (R) 1N 1345 B, (R) 1N 1346 B, (R) 1N 1347 B, (R) 1N 1348 B, (R) 1N 3988 , (R) 1N 3990 , (R)	7	6	50 100 200 300 400 500 600 800 1000	30	200	1,2	0,5	D0 4
12 / t_{amb} = 125°C t_{vj} = 150°C I²t = 260 A².s						I _{FM} =35 A	t _{vj} =125°C	
G, P 510, (R) G, P 1010, (R)/FR 55A G, P 2010, (R)/FR 56A G, P 3010, (R) G, P 4010, (R)/FR 56A G, P 5010, (R) G, P 6010, (R)/FR 58A G, P 8010, (R)/FR 59 G, P 1110, (R)/FR 61 G, P 1210, (R)	14	12	50 100 200 300 400 500 600 800 1000 1200	45	230	1,2	3	D0 4(G) S95a(P)
20 / t_{amb} = 150°C t_{vj} = 175°C I²t = 1 000 A².s						I _{FM} =70 A	t _{vj} =150°C	
1N 248 B, (R) 1N 249 B, (R) 1N 250 B, (R) 1N 1195 A, (R) 1N 1196 A, (R) 1N 1197 A, (R) 1N 1198 A, (R) 1N 820 , (R) 1N 1120 , (R) 1N 1220 , (R) 1N 1520 , (R)	24	20	50 100 200 300 400 500 600 800 1000 1200 1500	90	450	1,5	5	D0 5
40 / t_{amb} = 140°C t_{vj} = 175°C I²t = 2 500 A².s						I _{FM} =110 A	t _{vj} =150°C	
1N 1183, (R) - 1N 1183 T, (R) 1N 1184, (R) - 1N 1184 T, (R) 1N 1186, (R) - 1N 1186 T, (R) 1N 1187, (R) - 1N 1187 T, (R) 1N 1188, (R) - 1N 1188 T, (R) 1N 1189, (R) - 1N 1189 T, (R) 1N 1190, (R) - 1N 1190 T, (R) 1N 3766, (R) - 1N 3766 T, (R) 1N 3768, (R) - 1N 3768 T, (R)	484	40	50 100 200 300 400 500 600 800 1000	200	700	1,5	5	D0 5 T D05 (tressé)
60 / t_{amb} = 100°C t_{vj} = 150°C I²t = 5 000 A².s						I _{FM} =180 A	t _{vj} =150°C	
RG 602, (R) - RG 602 T, (R) RG 604, (R) - RG 604 T, (R) RG 606, (R) - RG 606 T, (R) RG 608, (R) - RG 608 T, (R) RG 610, (R) - RG 610 T, (R) RG 612, (R) - RG 612 T, (R)	70	60	200 400 600 800 1000 1200	200	1000	1,6	20	RG T RG (tressé)
100 / t_{amb} = 100°C t_{vj} = 150°C I²t = 11 250 A².s						I _{FM} =300 A	t _{vj} =150°C	
KU 1002, (R) KU 1004, (R) KU 1006, (R) KU 1008, (R) KU 1010, (R) KU 1012, (R) KU 1014, (R)	125	100	200 400 600 800 1000 1200 1400	400	1500	1,4	20	F 62 m
150 / t_{amb} = 100°C t_{vj} = 150°C I²t = 31 250 A².s						I _{FM} =450 A	t _{vj} =150°C	
KU 1502, (R) KU 1504, (R) KU 1506, (R) KU 1508, (R) KU 1510, (R) KU 1512, (R) KU 1514, (R)	180	150	200 400 600 800 1000 1200 1400	600	2500	1,4	20	F 62 m
200 / t_{amb} = 110°C t_{vj} = 175°C I²t = 80 000 A².s						I _{FM} =600 A	t _{vj} =175°C	
SV 2002, (R) SV 2004, (R) SV 2006, (R) SV 2008, (R) SV 2010, (R) SV 2012, (R) SV 2014, (R) SV 2016, (R) SV 2018, (R) SV 2020, (R)	250	200	200 400 600 800 1000 1200 1400 1600 1800 2000	800	4000	1,4	20	D0 8