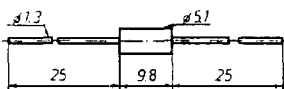
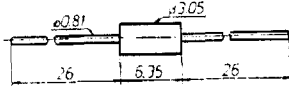


SILICON DIODES
STANDARD RECTIFIERS



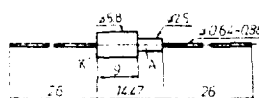
(White band near cathode)

CASES: DO-27A

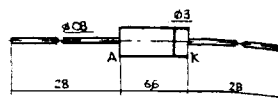


(White band near cathode)

F-126



DO-13



DO-27M

TYPE	I_{FAVM} (A)	V_{RRM} (V)	I_{FSM} $t_p=10ms$ (A)	V_F @ 25°C & I_F max. (V)	I_R @ 25°C & V_{RRM} @ 100°C max. (μA)	V_{FO} max. (V)	r_F ($\times 10^{-3}$ ohms)	CASE STYLE
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1.1 A_{rms} $T_{JM}=150^\circ C$ $R_{thJ-L} \leq 70^\circ C/W$ $i^2 t = 5 A^2 s$

F 057	0.75 #	50	10 !	1	0.75	5	50	0.87	100	DO-13
F 087		80								
F 107		100								
F 207		400								
F 307		600								
F 407		800								

$T_L=25^\circ C$

! $T_J=T_{JM}$

1.6 A_{rms} $T_{JM}=150^\circ C$ $R_{thJ-L} \leq 65^\circ C/W$ $i^2 t = 4.5 A^2 s$

1N 4001	1 #	50	20 !	1.1	1	5	50	0.95	75	F-126
1N 4002		100								
1N 4003		200								
1N 4004		400								
1N 4005		600								
1N 4006		800								
1N 4007		1000								

$T_L=75^\circ C$

! $T_J=T_{JM}$

3 A_{rms} $T_{JM}=150^\circ C$ $R_{thJ-A} = 30^\circ C/W$ $i^2 t = 24.5 A^2 s$

\$ D3 N 1	2 #	100	70 !	1.1	2	10	1000	0.6	105	DO-27M
\$ D3 N 2		200								
\$ D3 N 4		400								
\$ D3 N 5		600								
\$ D3 N 8		800								
\$ D3 N 10		1000								

$T_C=25^\circ C$

! $T_J=25^\circ C$

3 A_{rms} $T_{JM}=150^\circ C$ $R_{thJ-L} \leq 50^\circ C/W$ $i^2 t = 24.5 A^2 s$

F 102	2 #	100	70 !	1.2	2	10	1000*	1.06	54	DO-13
F 202		200								
F 402		400								
F 602		600								
F 802		800								
F 112		1000								

$T_L=25^\circ C$

! $T_J=25^\circ C$

* $T_J=150^\circ C$

5 A_{rms} $T_{JM}=135^\circ C$ $R_{thJ-L} \leq 20^\circ C/W$ $i^2 t = 50 A^2 s$

D3N 1	3 #	100	100 !	1.1	3	10	750	0.64	30	DO-27A
D3N 2		200								
D3N 4		400								
D3N 6		600								
D3N 8		800								
D3N 10		1000								

$T_L=75^\circ C$

! $T_J=25^\circ C$

9 A_{rms} $T_{JM}=150^\circ C$ $R_{thJ-C} \leq 8.5^\circ C/W$ $i^2 t = 28 A^2 s$

6SI 1P	6 #	100	60 !	1.25	6	15	1000*	0.80	40	TO-220d
6SI 2P		200								
6SI 3P		300								
6SI 4P		400								
6SI 5P		500								

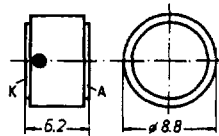
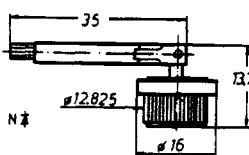
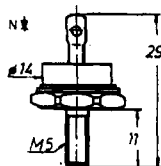
$T_C=85^\circ C$

! $T_J=25^\circ C$

* $T_J=125^\circ C$

\$ Preliminary data

BANEASA S.A.



RAG

9 A_{TPES} T_{JM}=150°C R_{thJ-C}≤1.2°C/W i²t=312A²s

18 A _{rms} T_{JM} = 150°C R_{thJ-C} ≤ 2.5°C/W I²t = 220A²s

(R) Reverse Pol. # $T_C = 125^\circ\text{C}$ $T_J = T_{JM}$

26 $A_{TJM} = 150^\circ C$ $R_{thJ-C} \leq 2.5^\circ C/W$ $I^2 t = 312.5 A^2 s$

(R) Reverse Pol. # $T_f = 95^\circ\text{C}$ $T_f = 25^\circ\text{C}$

30 A_{rms} $T_{JM}=150^{\circ}C$ $R_{thJ-C} \leq 1.2^{\circ}C/W$ $I^2t=312A^2s$

* $T_C = 100^\circ\text{C}$ * $T_F = 25^\circ\text{C}$

31 A_{TMS} T_{JM}=150°C R_{thJ-C}≤2.0°C/W i²t=312A²s

(R) Reverse Pol. # $T_C = 80^\circ\text{C}$ $T_J = 25^\circ\text{C}$

40 A_{rms} T_{JM}=150°C R_{thJ-C}≤1.2°C/W I²t=800A²s

(R) Reverse Pol. : # $T_r = 100^\circ\text{C}$ $T_r = 25^\circ\text{C}$