

2N2323, A, AS, S; 2N2324, A, AS, S; 2N2326, A, AS, S; 2N2328, A, AS, S; 2N232, S JAN SERIES

ELECTRICAL CHARACTERISTICS (con't)

Characteristics	Symbol	Min.	Max.	Unit
Forward Blocking Current $R_2 = 1\text{ k}\Omega$ 2N2323 thru 2N2329 2N2323S thru 2N2329S $R_2 = 2\text{ k}\Omega$ 2N2323A thru 2N2328A 2N2323AS thru 2N2328AS $V_R = 50\text{ Vdc}$ 2N2323, S, A, AS $V_R = 100\text{ Vdc}$ 2N2324, S, A, AS $V_R = 200\text{ Vdc}$ 2N2326, S, A, AS $V_R = 300\text{ Vdc}$ 2N2328, S, A, AS $V_R = 400\text{ Vdc}$ 2N2329, S	I_{FBX1}		10	μAdc
Reverse Gate Current $V_{KG} = 6\text{ Vdc}$	I_{KG}		200	μAdc
Gate Trigger Voltage and Current $V_2 = V_{FBX} = 6\text{ Vdc}$; $R_L = 100\text{ }\Omega$ $R_e = 1\text{ k}\Omega$ 2N2323 thru 2N2329 and 2N2323S thru 2N2329S $R_e = 2\text{ k}\Omega$ 2N2323A thru 2N2328A and 2N2323AS thru 2N2328AS	V_{GT1} I_{GT1} V_{GT1} I_{GT1}	0.35 0.35	0.80 200 0.60 20	Vdc μAdc Vdc μAdc

SUBGROUP 4 TESTING

Exponential Rate of Voltage Rise $T_A = 125^\circ\text{C}$ $50\text{ }\Omega \leq R_L \leq 400\text{ }\Omega$, $C = 0.1\text{ to }1.0\text{ }\mu\text{F}$, repetition rate = 60 pps, test duration = 15 seconds $dv/dt = 1.8\text{ v}/\mu\text{s}$, $R_3 = 1\text{ k}\Omega$ 2N2323 thru 2N2329 and 2N2323S thru 2N2329S $dv/dt = 0.7\text{ v}/\mu\text{s}$, $R_3 = 2\text{ k}\Omega$ 2N2323A thru 2N2328A and 2N2323AS thru 2N2328AS $V_{AA} = 50\text{ Vdc}$ 2N2323, S, A, AS $V_{AA} = 100\text{ Vdc}$ 2N2324, S, A, AS $V_{AA} = 200\text{ Vdc}$ 2N2326, S, A, AS $V_{AA} = 300\text{ Vdc}$ 2N2328, S, A, AS $V_{AA} = 400\text{ Vdc}$ 2N2329, S	V_{FBX}	47 95 190 285 380		Vdc
Forward "on" Voltage $i_{FM} = 4\text{a (pk)}$ (pulse), pulse width = 8.5 ms, max; duty cycle = 2% max	V_{FM}		2.2	V(pk)
Holding Current $V_{AA} = 24\text{ Vdc}$ max, $I_{F1} = 100\text{ mAdc}$, $I_{F2} = 10\text{ mAdc}$ Gate trigger source voltage = 6 Vdc, trigger pulse width = 25 μs min., $R_2 = 330\text{ }\Omega$ $R_3 = 1\text{ k}\Omega$ 2N2323 thru 2N2329 and 2N2323S thru 2N2329S $R_3 = 2\text{ k}\Omega$ 2N2323A thru 2N2328A and 2N2323AS thru 2N2328AS	I_{HOX}		2.0	mAdc