

# SURFACE MOUNT TRANSISTORS



## NPN TRANSISTORS - TO-236 PACKAGE

OPERATING/STORAGE TEMPERATURE RANGE -55°C to +150°C

SURGE PART NUMBER	Marking Code	$V_{CE0}$	$h_{FE} @ V_{CE}/I_C$		$V_{CE SAT} @ I_C/I_B$		$I_{CES} @ V_{CE}$		$f_T @ V_{CE}/I_C$		$C_{OB} @ V_{CB}$	
		Volts		V/mA	max.V	mA/mA	max.nA	V	MHz	V/mA	max.pF	V
SMBT2222A	1P	40	100-300	10/150	1.0	500/50	$10^{(1)}$	60	min.300	20/20	8	10
SMBT3904	1N	40	100-300	1/10	0.3	50/5	$50^{(2)}$	30	min.300	20/10	4	5
SMBT4401	2X	40	100-300	1/150	0.75	500/50	$100^{(3)}$	35	min.250	10/20	6.5	5
SMBTA05	1H	60	min.50	1/100	0.25	100/10	$100^{(3)}$	60	min.100	2/10	—	—
SMBTA06	1G	80	min.50	1/100	0.25	100/10	$100^{(3)}$	80	min.100	2/10	—	—
SMBT5551	3S	160	80-250	5/10	0.25	50/5	$50^{(3)}$	120	min.100	10/10	6	10
SMBTA42	1D	300	40min.	10/30	0.5	20/2	$100^{(3)}$	200	min.50	20/16	4	20

(1)  $I_{CBO} @ V_{CB}$

(2)  $I_{CEV} @ V_{EB}=3V$

(3)  $I_{CEV} @ V_{EB}=0.4V$

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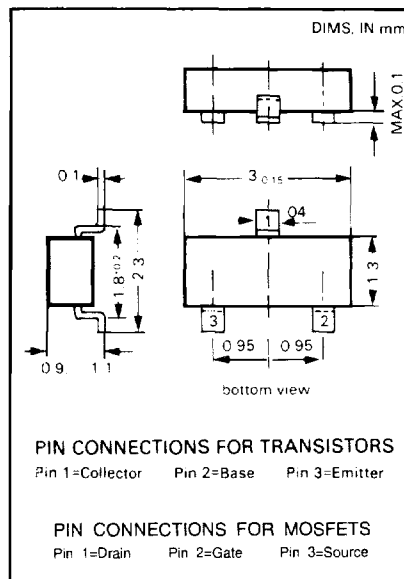
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		Volts		V/mA	max.V	mA/mA	max.nA	V	MHz	V/mA	max.pF	V
SMBT2907A	2F	60	100-300	10/150	1.6	500/50	$10^{(1)}$	50	min.200	20/50	8	10
SMBT3906	3N	40	100-300	1/10	0.4	50/5	$50^{(2)}$	30	min.250	20/10	4.5	5
SMBT4403	2T	40	100-300	1/150	0.75	500/50	$100^{(3)}$	35	min.200	10/20	8.5	5
SMBTA55	2H	60	min.50	1/100	0.25	100/10	$100^{(3)}$	60	min.100	2/10	—	—
SMBTA56	2G	80	min.50	1/100	0.25	100/10	$100^{(3)}$	80	min.100	2/10	—	—
SMBT5401	2L	150	40-200	10/1	0.2	10/1	$50^{(3)}$	120	min.100	10/10	6	10
SMBTA92	2D	300	40min.	10/10	0.5	20/2	$250^{(3)}$	200	min.50	20/10	8	20

(1)  $I_{CBO} @ V_{CB}$

(2)  $I_{CEV} @ V_{EB}=3V$

(3)  $I_{CEV} @ V_{EB}=0.4V$



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