

# TO-18 Metal-Can Package Transistors (NPN)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)																	
Type No.	V <sub>CB0</sub> (V)	V <sub>CE0</sub> (V)	V <sub>EBO</sub> (V)	P <sub>D</sub> (W)	I <sub>C</sub> (A)	I <sub>CM</sub> (A)	I <sub>CB0</sub> (μA)	V <sub>CB</sub> (V)	I <sub>CES</sub> (μA)	V <sub>CE</sub> (V)	h <sub>FE</sub>	@	I <sub>C</sub> & V <sub>CE</sub>	V <sub>CE(SAT)</sub> (V) &	V <sub>BE(SAT)</sub> (V)	I <sub>C</sub> (mA)	C <sub>ob</sub> (pF)	f <sub>t</sub> (MHz)	@	I <sub>C</sub> (mA)	t <sub>on</sub> (ns)	NF @ Freq (dB) (MHz)		
	Min	Min	Min	@ Tc=25°C			Max	@ (V)	Max	@ (V)	Min	Max	(mA)	(V)	Max	Max	Min	Min	Max	Typ	Max	Max	Max	
2N2483	60	60	6	0.36		0.05	0.01	45			40	120	0.01	5	0.35		1	6	80		60	80	0.5	15
											75		0.1	5										
											100		0.5	5										
											175		1	5										
											500	10	5											
2N2484	60	60	6	0.36	0.05		0.01	45			250		1	5	0.35		1	6			60	80	0.5	3
											200		0.5	5										
											175		0.1	5										
											100	500	0.01	5										
											30		0.001	5										
											800	10	5											
2N2586	60	45	6	0.3	0.03		0.002	45			600	10	5	0.5	0.7	0.9	10	2		45		0.5	3.5	
											150		0.5	5										
											120	360	0.01	5										
											80		1	5										
2N2897	60	45	7	0.5	1		0.05	60			35		1	10	1		1.3	150	15	100		50		
											50	200	150	10										
2N3117	60	60	6	0.36	0.05		0.01	45			400		1	5	0.35		1	4.5		60		0.5	1	
											300		0.1	5										
											250	500	0.01	5										
											100		0.001	5										
2N3647	40	10		0.4	0.5		0.025	40			25	150	150	1										
2N3700	140	80	7	0.5	1		0.01	90			100	300	150	10	0.2		1.1	150	12	100	400	50	4 0.001	
											90		10	10	0.5		500							
											50		0.1	10										
											50		500	10										
											15		1000	10										
2N6430	200	200	6	0.5	0.05		0.1	160			25		1	10	0.5		0.9	20	4	50	500	10		
											40		10	10										
											50	200	30	10										
2N706	25	15	3	0.3	0.05		0.5	15			20		10	1	0.6		0.9	10	6	200		10	75	
2N706A	25	15	5	0.3	0.05		10	25			20	60	10	1	0.6	0.7	0.9	10	5	200		10	75	
2N708	40	15	5	0.36			0.025	20			30	120	10	1	0.4	0.72	0.8	10	6	300		10	70	
											15		0.5	1										
2N718	60	30	5	0.4	0.5		1	30			40	120	150	10	1.5		1.3	150	35	50		15		
2N718A	75	50	7	0.5	0.5		0.01	60			20		500	10	1.5		1.3	150	25	60		50	12	
											40	120	150	10										
											35		10	10										
											20		0.1	10										
2N720	120	80	5	0.4	0.4		2	60			40	120	150	10	5		1.3	150	20					
2N720A	120	80	7	0.5		0.5	0.01	90			20		0.1	10	1.2		0.9	50	15	50		50		
											35		10	10	5		1.3	150						
											40	120	150	10										
2N834	40	20	5	0.3	0.2		0.5	20	0.01	30	25		10	1	0.25		0.9	10	4	350		10	75	
															0.4		50							
2N910	100	60	7	0.5	1		0.025	75			35		0.1	10	0.4	0.6	0.8	10	15	60		50	12	
											75		10	10	1.2		0.9	50						
2N911	100	60	7	0.5	0.5		0.025	75			20		0.1	10	0.4	0.6	0.8	10		50		50	15	
											75		10	10	1.2		0.9	50						
											15		10	10										