

# TO-105

## EPOXY PACKAGE TRANSISTORS (PNP)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)													
Type No.	V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	V <sub>EBO</sub> (V)	I <sub>CBO</sub> (μA)	V <sub>CB</sub> (V)	h <sub>FE</sub>		I <sub>C</sub> & V <sub>CE</sub>	V <sub>CE(Sat)</sub> & V <sub>BE(Sat)</sub>		I <sub>C</sub>	C <sub>ob</sub>	f <sub>T</sub>		I <sub>C</sub>	NF	Freq	t <sub>off</sub>	
	Min	Min	Min	Max	Min	Max	Max	(mA) (V)	(V) (V)	(mA)	(pF)	Min	Typ	(mA)	(dB)	(MHz)	(ns)		
2N4356	80	80	5.0	0.05	50	30	500.0	10	0.15	0.90	150	30.0	100	500	50	3	400		
						40	100.0	10	0.50	1.10	500								
						50	250	10.00	10										
						40	1.00	10											
						25	0.10	10											
2N3645	60	60	5.0			40	0.10	10	0.40	1.30	150	8.0	200		20				
						80	1.00	10	1.00	0.8	2.00							300	
						100	10.00	10	0.25	1.00	50								
						100	300	50.0	10										
						20	300.0	2											
2N4354	60	60	5.0	0.05	50	30	500.0	10	0.15	0.90	150	30.0	100	500	50	3	400		
						40	100.0	10	0.50	1.10	500								
						50	500	10.00	10										
						40	1.00	10											
						25	0.10	10											
2N4355	60	60	5.0	0.05	50	75	500.0	10	0.15	0.90	150	30.0	100	500	50	3	400		
						75	100.0	10	0.50	1.10	500								
						100	400	10.00	10										
						75	1.00	10											
						60	0.10	10											
2N3644	45	45	5.0	0.04	30	20	300.0	2	0.25	1.00	50	8.0	200		20		100		
						100	300	150.0	10	0.40	1.30							150	
						80	240	50.00	1	1.00	0.8							2.00	300
						100	10.00	10											
						80	1.00	10											
C1L295	45	45	5.0	0.50	30	40	120	50.00	1	0.50	150	8.0	100						
						100	300	50.00	1	0.50	150								
C1L296	45	45	5.0	0.50	30	100	300	50.00	1	0.50	150	8.0	100						
C1L297	60	40	5.0	0.50	40	40	120	50.00	1	0.50	150	6.0	200						
C1L298	60	40	5.0	0.50	40	100	300	50.00	1	0.50	150	6.0	200						
2N3638	25	25	4.0	0.04	15	20	300.00	2	0.25	0.8	1.10	50	20.0	100	50		170		
						20	50.00	1	1.00	0.8	2.00	300							
						30	10.00	10											
2N3638A	25	25	4.0	0.03	15	20	300.0	2	0.25	0.8	1.10	50	10.0	150	50				
						100	50.00	1	1.00	0.8	2.00	300							
						100	10.00	10											
						80	1.00	10											
C1L591	20	15	7.0	0.50	10	40	150	50.00	1	0.40	150	12.0	100						
C1L592	20	15	7.0	0.50	10	100	300	50.00	1	0.40	150	12.0	100						