

TO-106

EPOXY PACKAGE TRANSISTORS (PNP)

Maximum Ratings						Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)														
Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EB0} (V) Min	I _{CB0} (μA) Max	V _{CB} (V) Min	h _{FE}		I _C & (mA)	V _{CE} (V)	V _{CE(Sat)} (V) Max	& Min	V _{BE(Sat)} (V) Max	I _C (mA)	C _{ob} (pF) Max	f _T (MHz) Min Typ Max		I _C (mA)	NF (dB) Max	Freq (MHz) Max	t _{off} (ns) Max
CIL261	100	100	5.0	0.10	80	20		1.00	10	0.50			100	6.0	100					
CIL251	80	80	5.0	0.10	60	20		1.00	10	0.50			100	6.0	100					
2N4250A	60	60	5.0	0.01	50	250	700	0.10	5	0.25				10.0	6		2			
CIL241	60	60	5.0	0.03	40	50	150	1.00	10	0.80			100	6.0	100					
CIL242	60	60	5.0	0.03	40	100	300	1.00	10	0.80			100	6.0	100					
CIL245	60	60	5.0	0.03	40	40	150	1.00	10	0.60			100	3.0	300		4			
CIL246	60	60	5.0	0.05	50		100	0.01	5	0.60			10							
							175	0.10	5											
						100	300	1.00	10											
CIL258	60	60	5.0	0.10	40	40	150	10.00	1	0.30			10	3.0	300					
CIL157	50	45	5.0	0.10	20		140	2.00	5	0.30			10		150	10	10	35.0		
											0.85		100							
CIL157A	50	45	5.0	0.10	20		180	2.00	5	0.30			10		150	10	10			
CIL157B	50	45	5.0	0.10	20		290	2.00	5	0.30			10		150	2	10			
2N4142	60	40	5.0			20		500.0	10	0.40	1.30	150	8.0	200		50				100
						20		150.0	1	1.60	2.60	500								
						40	120	150.0	10											
						35		10.00	10											
						25		1.00	10											
						20		0.10	10											
2N4143	60	40	5.0			30		500.0	10	0.40	1.30	150	8.0	200		50				100
						50		150.0	1	1.60	2.60	500								
						100	300	150.0	10											
						75		10.00	10											
						50		1.00	10											
						35		0.10	10											
2N4248	40	40	5.0	0.01	40	50		0.10	5	0.25				10.0	6					
2N4250	40	40	5.0	0.01	40	250	700	0.10	5	0.25				10.0	6			2		
CIL231	40	40	5.0	0.03	30	50	150	1.00	10	0.60			100	6.0	100					
CIL232	40	40	5.0	0.03	30	100	300	1.00	10	0.60			100	6.0	100					
CIL233	40	40	5.0	0.03	30	200	500	1.00	10	0.60			100	6.0	100					
CIL234	40	40	5.0	0.03	30	400	1000	1.00	10	0.60			100	6.0	100					
CIL235	40	40	5.0	0.03	30	40	150	1.00	10	0.60			100	3.0	300			4		
CIL236	40	40	5.0	0.02	30		100	0.01	5	0.60			10							
							175	0.10	5											
						100	300	1.00	10											

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Type No.	V _{CB0} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	I _{CBO} (μA) Max	V _{CB} (V) Min	h _{FE}		I _C (mA)	V _{CE} (V)	V _{CE(Sat)} (V) Max	V _{BE(Sat)} (V) Max	I _C (mA) Max	C _{ob} (pF) Max	f _T (MHz) Min	f _T (MHz) Typ	I _C (mA) Max	NF (dB) Max	Freq (MHz) Max	t _{off} (ns) Max
CIL237	40	40	5.0	0.03	30	200	500	1.00	10	0.60		100	3.0		300			4	
CIL238	40	40	5.0	0.02	30		100	0.01	5	0.60		10							
							175	0.10	5										
						400	1000	1.00	10										
CIL256	40	40	5.0	0.10	30	50	150	10.00	1	0.30		10	3.0		300				
CIL221	32	32	5.0	0.25	25	100		1.00	-5	0.30	-1.0	10	3.0		100				
CIL222	32	32	5.0	0.20	25		250	1.00	-5	0.30	-1.0	10	3.0		100				
CIL223	32	32	5.0	0.20	25		400	1.00	-5	0.30	-1.0	10	3.0		100				
CIL224	32	32	5.0	0.25	25	400	1000	1.00	10	0.30		10	6.0		100				
CIL158	30	25	5.0	0.10	20	#125	#500	2.00	5	0.30		10		150		10	10		
												0.85	100						
CIL158A	30	25	5.0	0.10	20		180	2.00	5	0.30		10			150	10	10		
CIL158B	30	25	5.0	0.10	20		290	2.00	5	0.30		10			150	10	10		
												0.85	100						
CIL240	25	25	5.0	0.01	20		100	0.01	5	0.60		10							
							175	0.10	5										
							250	1.00	5										
CIL159	25	20	5.0	0.10	20		140	2.00	5	0.30		10			150	10	4		
												0.85	100						
CIL159A	25	20	5.0	0.10	20	#125	#260	2.00	5	0.30		10		150		10	4		
												0.85	100						
CIL159B	25	20	5.0	0.10	20		290	2.00	5	0.30		10		150		10	4		
												0.85	100						
CIL211	20	20	5.0	0.03	15	50	150	1.00	10	0.30		10	6.0		100				
CIL212	20	20	5.0	0.03	15	100	300	1.00	10	0.30		10	6.0		100				
CIL213	20	20	5.0	0.03	15	200	500	1.00	10	0.30		10	6.0		100				
CIL214	20	20	5.0	0.03	15	400	1000	1.00	10	0.30		10	6.0		100				
CIL215	20	20	5.0	0.03	15	40	150	1.00	10	0.30		10	3.0		300		4		
CIL216	20	20	5.0	0.03	15	100	300	1.00	10	0.30		10	3.0		30		4		
CIL217	20	20	5.0	0.03	15	100	300	1.00	10	0.30		10	3.0		300		4		
CIL218	20	20	5.0	0.02	15		100	0.01	5	0.60		10							
							175	0.10	5										
						400	1000	1.00	10										