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# High Speed Metal Can Transistors

Jameco Part Number 178546

Part No. and Polarity		V <sub>CEO(sust)</sub> Min.	t <sub>on</sub> Max.	t <sub>off</sub> @ I <sub>C</sub>		h <sub>FE</sub> @ I <sub>C</sub>		V <sub>CE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>			f <sub>T</sub> Min.	P <sub>D(Amb)</sub> @ 25°C	Package	Outline (Tye. in mm)
NPN	PNP			Max.		Min.	(mA)	Max.						
		(V)	(ns)	(ns)	(mA)	Min.	(mA)	(V)	(mA)	(mA)	(MHz)	(mW)	Bulk	
2N2369A	-	15	12	18	10	40	10	0.20	10	1.0	500	360	250	
2N708	-	15	40	70	10	30	10	0.40	10	1.0	300	360		
-	2N3467	40	40	90	500	40	500	0.50	500	50	175	1000	250	
2N3724	-	30	35	60	500	60	100	0.75	1000	100	300	800		
2N2369	-	15	12	18	10	40	10	0.25	10	1.0	500	360	250	

# Small Signal High Voltage Transistors

Operating Temperature: -55°C to 150°C

Part No. and Polarity		V <sub>CEO</sub>	I <sub>C</sub>	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>				Package	Outline (Max. in mm)
NPN	PNP			Min.	Max.	V <sub>CE</sub>	I <sub>C</sub>	Max.	Max.	I <sub>C</sub>	I <sub>B</sub>	Min.	Typ.				
		(V)	(A)			(V)	(mA)	(V)	(V)	(mA)	(mA)	(MHz)	(MHz)	(V)	(mA)	Bulk/Reel	
2N6517	2N6520	350	0.50	30	200	10	30	0.50	0.90	30	3	40	-	20	10	1000/2000	
2N6516	2N6519	300	0.50	45	270	10	30	0.50	0.90	30	3	40	-	20	10		
2N6515	2N6518	250	0.50	50	300	10	30	0.50	0.90	30	3	40	-	20	10		
2N5551	-	160	0.60	80	250	5	10	0.20	1.00	50	6	100	-	10	10		
-	2N5401	150	0.60	60	240	5	10	0.50	1.00	50	5	100	-	10	10		
2N5550	-	140	0.60	60	250	5	10	0.25	1.20	50	5	100	-	10	10		
-	2N5400	120	0.60	40	180	5	10	0.50	1.00	50	5	100	-	10	10		
MPSA44	-	400	0.30	50	200	10	10	0.50	0.75	10	1	-	-	-	-		
KSP44	-	400	0.30	50	200	10	10	0.50	0.75	10	1	-	-	-	-		
MPSA45	-	350	0.30	50	200	10	10	0.50	0.75	10	1	-	-	-	-		
KSP45	-	350	0.30	50	200	10	10	0.50	0.75	10	1	-	-	-	-		
MPSA42	MPSA92	300	0.50	40	10	30	0.50	0.90	20	2	50	-	20	10	10		
KSP42	KSP92	300	0.50	40	10	30	0.50	0.90	20	2	50	-	20	10	10		
MPSA43	MPSA93	200	0.50	40	-	10	30	0.50	0.90	20	2	50	-	20	10		
KSP43	KSP93	200	0.50	40	-	10	30	0.50	0.90	20	2	50	-	20	10		
MPSL01	-	120	0.05	200	800	5	1	0.30	-	10	1	50	100	60	1		
-	MPSL51	120	0.60	40	250	5	50	0.30	1.20	50	5	50	-	10	10		

# Small Signal Darlington Transistors

Operating Temperature: -55°C to 150°C

Part No. and Polarity		V <sub>CEO</sub>	I <sub>C</sub>	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>				Package	Outline (Max. in mm or inches)
NPN	PNP			Min.	Max.	V <sub>CE</sub>	I <sub>C</sub>	Max.	Max.	I <sub>C</sub>	I <sub>B</sub>	Min.	Typ.				
		(V)	(A)			(V)	(mA)	(V)	(V)	(mA)	(mA)	(MHz)	(MHz)	(V)	(mA)	Bulk/Reel	
MPSA27	MPSA77	60	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-	1000/2000	
KSP27	KSP77	60	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-		
MPSA26	MPSA76	50	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-		
KSP26	KSP76	50	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-		
2N8427	-	40	0.5	10K	200K	5	100	1.5	2	500	0.50	-	-	-	-		
MPSA25	MPSA75	40	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-		
KSP25	KSP75	40	0.5	10K	-	5	100	1.5	-	100	0.10	-	-	-	-		
MPSA14	MPSA64	30	0.5	10K	-	5	100	1.5	-	100	0.10	125	-	5	10		
KSP14	KSP64	30	0.5	10K	-	5	100	1.5	-	100	0.10	125	-	5	10		
MPSA13	MPSA63	30	0.5	20K	-	5	100	1.5	-	100	0.10	125	-	5	10		
KSP13	KSP63	30	0.5	20K	-	5	100	1.5	-	100	0.10	125	-	5	10		
-	MPSA65	30	0.5	50K	-	10	1.5	-	100	0.01	100	-	-	-	-		
MPSA12	MPSA62	20	0.5	20K	-	5	10	1.0	-	10	0.01	-	-	-	-		
KSP12	KSP62	20	0.5	20K	-	5	10	1.0	-	10	0.01	-	-	-	-		
2N5306	-	-	-	7K	70K	5	2	1.4	-	200	-	60	-	-	2		
2N5307	-	-	-	2K	20K	5	2	1.4	-	200	-	60	-	-	2		
2N5308	-	-	-	7K	70K	5	2	1.4	-	200	-	60	-	-	2		
2N6427	-	40	-	14K	140K	5	500	1.5	2	500	-	130	-	-	10		
2N6426	-	40	-	20K	300K	5	500	1.5	2	500	-	150	-	-	10		