

# ON SEMICONDUCTOR Transistors

ON Semiconductor®



Transistors

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## GENERAL PURPOSE BIPOLAR TRANSISTORS (CONT.)

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Max.) (V)	IC (Max.) (A)	hFE		Price Each			
					Min.	Max.	1	10	100	1000
<b>Complementary</b>										
◆ 863-MBT3904DW1T1G	MBT3904DW1T1G	SOT-363	40/40	0.2/2	100/100	300/300	.22	.149	.062	.042
◆ 863-MBT3946DW1T1G	MBT3946DW1T1G	SOT-363	40/-40	0.2/-0.2	100/100	300/300	.22	.149	.062	.042
◆ 863-BC847BDW1T1G	BC847BDW1T1G	SOT-363	45/45	0.1/0.1	200/200	450/450	.24	.16	.067	.046
◆ 863-NST45010MW6T1G	NST45010MW6T1G	SOT-363	-45/-45	-0.1/-0.1	220/220	475/475	.48	.361	.227	.17
◆ 863-BC847BPDW1T1G	BC847BPDW1T1G	SOT-363	50/-50	0.1/-0.1	200/200	475/475	.24	.16	.067	.046

## HIGH-POWER BIPOLAR TRANSISTORS

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Max.) (V)	IC (Max.) (A)	hFE		Price Each			
					Min.	Max.	1	10	100	1000
<b>NPN</b>										
863-2N3055AG	2N3055AG	TO-3	60	15	10	70	6.15	4.94	4.51	3.06
863-2N3772G	2N3772G	TO-3	60	20	15	60	4.35	3.49	3.18	2.16
863-2N5885G	2N5885G	TO-3	60	25	20	100	3.93	3.15	2.87	1.95
863-2N5302G	2N5302G	TO-3	60	30	15	60	4.15	3.53	3.06	2.19
863-2N5886G	2N5886G	TO-3	80	25	20	100	3.93	3.15	2.87	1.95
863-MJ802G	MJ802G	TO-3	90	30	25	100	3.93	3.15	2.87	1.95
863-TIP33CG	TIP33CG	TO-218	100	10	20	100	1.69	1.43	1.15	.834
863-TIP35CG	TIP35CG	TO-218	100	25	15	75	2.53	2.15	1.72	1.24
863-2N3442G	2N3442G	TO-3	140	10	20	70	6.15	4.94	4.51	3.06
863-MJE4343G	MJE4343G	TO-218	160	16	15	-	3.34	2.84	2.46	1.76
<b>PNP</b>										
863-2N5883G	2N5883G	TO-3	-60	-25	20	100	3.93	3.34	2.90	2.07
863-2N5884G	2N5884G	TO-3	-80	-25	20	100	4.29	3.45	3.14	2.13
863-2N5684G	2N5684G	TO-3	-80	-50	15	60	8.73	7.89	6.53	4.78
863-TIP36CG	TIP36CG	TO-218	-100	-25	15	75	2.63	2.24	1.79	1.29

## LOW NOISE BIPOLAR TRANSISTORS

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Max.) (V)	IC (Max.) (A)	hFE		Price Each			
					Min.	Max.	1	10	100	1000
<b>NPN</b>										
◆ 863-MMBT5089LT1G	MMBT5089LT1G	SOT-23	25	0.05	400	1200	.19	.179	.063	.042
◆ 863-MMBT5088LT1G	MMBT5088LT1G	SOT-23	30	0.05	300	900	.21	.178	.063	.043
◆ 863-MMBT2484LT1G	MMBT2484LT1G	SOT-23	60	0.1	250	-	.22	.147	.061	.042
<b>PNP</b>										
◆ 863-MMBT5087LT1G	MMBT5087LT1G	SOT-23	-50	-0.05	250	800	.19	.179	.063	.042

## LOW VCE BIPOLAR TRANSISTORS

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Max.) (V)	IC (Max.) (A)	hFE		Price Each			
					Min.	Max.	1	10	100	1000
<b>NPN</b>										
◆ 863-NSS20601CF8T1G	NSS20601CF8T1G	ChipFET	20	8	200	-	.66	.498	.313	.235
◆ 863-NSS40301MZ4T1G	NSS40301MZ4T1G	SOT-223	40	3	200	500	.45	.374	.228	.176
◆ 863-NSS60601MZ4T1G	NSS60601MZ4T1G	SOT-223	60	6	120	360	.50	.415	.253	.196
<b>PNP</b>										
◆ 863-NSS12100UW3TCG	NSS12100UW3TCG	WDFN	12	1	200	400	.55	.457	.278	.215
◆ 863-NSS12100XV6T1G	NSS12100XV6T1G	SOT-563	-12	-1	90	-	.47	.353	.222	.166
◆ 863-NSS20200LT1G	NSS20200LT1G	SOT-23	-20	-2	250	300	.42	.30	.138	.106
◆ 863-NSS40200LT1G	NSS40200LT1G	SOT-23	-40	-2	220	300	.38	.295	.16	.12
◆ 863-NSS40600CF8T1G	NSS40600CF8T1G	ChipFET	-40	-6	220	300	.66	.498	.313	.235

## MEDIUM POWER BIPOLAR TRANSISTORS

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Max.) (V)	IC (Max.) (A)	hFE		Price Each			
					Min.	Max.	1	10	100	1000
<b>NPN</b>										
◆ 863-BCP68T1G	BCP68T1G	SOT-223	20	1	85	375	.41	.318	.173	.129
◆ 863-PZT2222AT1G	PZT2222AT1G	SOT-223	40	0.6	100	300	.41	.292	.134	.103
863-2N4921G	2N4921G	TO-225	40	3	30	150	.58	.486	.313	.251
863-2N4922G	2N4922G	TO-225	60	3	30	150	.58	.486	.313	.251
863-2N6043G	2N6043G	TO-220	60	8	1000	20000	.75	.623	.402	.322
863-2N4923G	2N4923G	TO-225	80	1	30	150	.58	.485	.313	.251
◆ 863-BCP56T1G	BCP56T1G	SOT-223	80	1	40	250	.46	.273	.129	.099
◆ 863-BCP56-16T1G	BCP56-16T1G	SOT-223	80	1	100	250	.46	.273	.129	.099
863-BD139G	BD139G	TO-225	80	1.5	40	250	.64	.478	.30	.225
863-MJE344G	MJE344G	TO-225	200	0.5	30	300	.59	.497	.303	.234
863-MJE340G	MJE340G	TO-225	300	0.5	30	240	.59	.496	.303	.234
<b>PNP</b>										
◆ 863-BCP69T1G	BCP69T1G	SOT-223	-20	-1	85	375	.58	.398	.16	.123
863-MJE371G	MJE371G	TO-225	-40	-4	40	-	.64	.535	.326	.252
863-2N4920G	2N4920G	TO-225	-80	-1	30	150	.58	.486	.313	.251
◆ 863-BCP53T1G	BCP53T1G	SOT-223	-80	-1.5	40	250	.46	.273	.129	.099
863-BD140G	BD140G	TO-225	-80	-1.5	40	250	.57	.478	.291	.225
◆ 863-BCP53-16T1G	BCP53-16T1G	SOT-223	-80	-1.5	100	250	.46	.273	.129	.099
863-MJE350G	MJE350G	TO-225	-300	-0.5	30	240	.59	.496	.303	.234

## SWITCHING TRANSISTORS

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO (Min.) (V)	IC (Max.) (A)	hFE		Pd (Max.) (W)	Price Each			
					Min./Max.	Max.		1	10	100	1000
<b>NPN</b>											
◆ 863-MMBT918LT1G	MMBT918LT1G	SOT-23	15	0.05	20/-	0.3	.26	.182	.076	.052	
◆ 863-MMBT2369ALT1G	MMBT2369ALT1G	SOT-23	15	0.2	-/120	0.3	.19	.179	.063	.042	
◆ 863-MMBT2369LT1G	MMBT2369LT1G	SOT-23	15	0.2	40/120	0.3	.19	.179	.063	.042	
◆ 863-MMBT10LT1G	MMBT10LT1G	SOT-23	25	-	60/-	0.3	.22	.156	.065	.044	
◆ 863-MMBT4401LT1G	MMBT4401LT1G	SOT-23	40	0.6	100/300	0.225	.10	.093	.033	.022	
◆ 863-MMBT4401WT1G	MMBT4401WT1G	SC-70	40	0.6	100/300	0.15	.16	.136	.048	.033	
<b>PNP</b>											
◆ 863-MMBT4403LT1G	MMBT4403LT1G	SOT-23	-40	-0.6	100/300	0.225	.10	.093	.033	.022	

## JFETS

MOUSER STOCK NO.	ON Semi Part No.	Package	Vps (Max.) (V)	Pd (Max.) (mW)	I <sub>DSS</sub> (mA)		Price Each			
					Min.	Max.	1	10	100	1000
<b>N-Channel</b>										
◆ 863-MMBFJ309LT1G	MMBFJ309LT1G	SOT-23	25	225	12	30	.52	.394	.247	.185
◆ 863-MMBFJ310LT1G	MMBFJ310LT1G	SOT-23	25	225	24	60	.47	.394	.24	.185
◆ 863-MMBFU310LT1G	MMBFU310LT1G	SOT-23	25	225	24	60	.48	.338	.155	.119
◆ 863-TF412ST5G	TF412ST5G	SOT-883-3	30	100	1.2	3	.46	.329	.151	.116
◆ 863-MMBF4391LT1G	MMBF4391LT1G	SOT-23	30	225	50	150	.48	.338	.155	.119
◆ 863-MMBF4392LT1G	MMBF4392LT1G	SOT-23	30	225	25	75	.58	.338	.16	.123
◆ 863-MMBF4393LT1G	MMBF4393LT1G	SOT-23	30	225	5	30	.48	.338	.155	.119
<b>P-Channel</b>										
◆ 863-MMBFJ177LT1G	MMBFJ177LT1G	SOT-23	-25	225	1.5	20	.47	.394	.24	.185