

Darlington Transistors — continued

0.3A to 60A – continued

SD30

Order Multiple=1		1+	25+	100+	500+	1K+
Mfrs. List No.	Order Code					
MJE5742	233-1070					
MJH6284	300-4909					
MJH6287	233-1536					
MJH11022	682-482 †					
2N6405	NEW 352-5430					
Order Multiple=5		5+	25+	100+	1K+	5K+
MPSA13 (FCH)	426-568 †					
MPSA13 (ON)	334-3327					
MPSA13 (ZET)	426-556					
MPSA14	426-570					
MPSA27	992-756					
MPSA29	682-238					
MPSA63	434-516					
Order Multiple=1		1+	25+	100+	500+	1K+
TIP102	NEW 352-6574					
TIP107	NEW 352-6586					
TIP110	426-593					
TIP112 (ON)	334-3352					
TIP112 (ST)	426-623					
TIP115	426-635					
TIP117 (ON)	334-3364					
TIP117 (ST)	426-659					
TIP120	426-660					
TIP121 (PI)	426-696					
TIP121 (ST)	426-684					
TIP122 (ON)	931-524					
TIP122 (ST)	426-702					
TIP125	426-726					
TIP126	426-740					
TIP127 (ON)	931-536					
TIP127 (ST)	426-775					
TIP132	426-799					
TIP135	426-805					
TIP136	426-817					
TIP137	426-829					
TIP140	426-830					
TIP141	426-842					
TIP142	426-854					
TIP146	426-878					
TIP147	426-880					
TIP150	426-891					
TIP162	426-910					
TIPP110	426-933					
TIPP111	426-945					
TIPP112	426-957					
TIPP115	426-969					
TIPP116	426-970					
TIPP117	426-982					
Order Multiple= 5		5+	25+	100+	1K+	5K+
ZTX600	426-994					
ZTX600B	427-007					
ZTX603	427-032					
ZTX605	427-044					
ZTX614	432-969					
ZTX704	427-056					
ZTX705	432-933					
ZTX712	427-068					
Order Multiple=1		1+	25+	100+	500+	1K+
2N6052	241-9348					
2N6056	241-9373					
2N6058	241-9397					
2N6059 (ON)	300-4077					
2N6059 (ST)	260-368					
2N6388	427-196					

† Available until stocks are exhausted

NPN Darlington Power Modules



ISOTOP
H = 12.2, W = 25.4, D = 38.2



Pin Config. a



Pin Config. b

I _C A	V _{CE0} V	I _C (pk) A	I _B A	h _{FE} typ.	h _{FE} @	I _C A	P _{TOT} W	Pin Config.	Mfrs. List No.
24	450	36	2.5	120	20	125	125	b	ESM3045DV
42	450	63	4	220	35	150	150	b	ESM4045DV
60	450	90	6	150	50	175	175	b	ESM5045DV
67	300	100	3	300	56	150	150	b	ESM2030DV
72	450	108	8	150	60	250	250	a	ESM6045AV
84	450	126	8	120	70	250	250	b	ESM6045DV
100	300	150	5	300	85	225	225	b	ESM3030DV
120	125	128	2	1200	120	175	175	b	ESM2012DV

SD230

Mfrs. List No.	Order Code	Price Each				
		1+	5+	10+	25+	50+
ESM2012DV	739-364					
ESM2030DV	739-376					
ESM3030DV	739-352					
ESM3045DV	646-088					
ESM4045DV	739-388					
ESM5045DV	646-090					
ESM6045AV	426-374					
ESM6045DV	646-106					

RF Bipolar Transistors

T0-39, T0-72 and T0-92

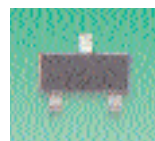
I _C max. A	V _{CE0} max. V	V _{CEB0} max. V	P _{TOT} @ 25°C W	f _T typ. (* min.) MHz	h _{FE} @ min.	I _C mA	F typ. (* max.)	Package and Pin Out	Mfrs. List No.
NPN									
0.025	25	40	0.5	550*	38	7	—	T0-92(g)	PS BF199
0.05	25	30	350	625	60	4	—	T0-92(j)	ON MPSH10
0.05	25	30	0.35	625	60	4	—	T0-92(j)	FCH MPSH10
0.4	30	55	0.5	800*	63	100	—	T0-92(e)	ZET ZTX327
0.5	15	30	0.25	600	20	3	—	T0-92(e)	ZET ZTX320
0.5	15	30	0.25	600	20	3	—	T0-92(e)	ZET ZTX321
0.5	40	40	0.2	1400	40	150	5.5	T0-72(b)	ST BFY90
PNP									
0.025	40	40	0.3	350*	50	1	—	T0-92(c)	PS BF450
1.0	200	200	10	15*	30	50	—	T0-39	— 2N5415
1.0	300	350	10	15*	30	50	—	T0-39	ST 2N5416

FOR PACKAGE AND PIN OUT DETAILS, SEE PAGE 358

SD145

Order Multiple=1		1+	25+	100+	300+	1K+
Mfrs. List No.	Order Code					
2N5415	.360-284					
2N5416	.360-296					
Order Multiple=5		5+	25+	100+	1K+	3K+
BF199 (PS)	357-339					
BF450	300-0916					
Order Multiple=1		1+	25+	100+	250+	1K+
BFY90	.359-233 †					
Order Multiple=5		5+	25+	100+	1K+	5K+
MPSH10 (FCH)	.434-528 †					
MPSH10 (ON)	334-3339					
ZTX320	358-058					
ZTX321	358-060					
Order Multiple=1		1+	25+	100+	1K+	5K+
ZTX327	358-071					

Wideband



SOT-23



ON Semiconductor



211-11

NPN/ PNP	V _{CE0} max. V	I _C max. mA	f _T MHz	Package	Mfrs. List No.
Low Power					
NPN	10	50	8	SOT-23	MMBR941LT1
High Power					
NPN	12.5/13.6	80	5	14-30	12 211-11/1 MRF454
NPN	28	150	15	1.5-30	10 211-11/1 MRF422
NPN	50	250	15.7	1.5-30	13 211-11/1 MRF448
Push-Pull Configuration					
NPN	30	125	16	270	50 30-500 8 744A-01 MRF392

SD95

		Price Each				
Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
MMBR941LT1	233-3053					
MRF392	234-2455					
MRF422	234-2522					
MRF448	300-5379					
MRF454	234-2625					