



**OPERATING AND STORAGE TEMPERATURE -65°C TO +175°C**

TYPE	MAXIMUM PEAK REVERSE VOLTAGE	MAXIMUM AVERAGE RECTIFIED CURRENT @ HALF-WAVE RESISTIVE LOAD 60HZ		MAXIMUM FORWARD PEAK SURGE CURRENT @8.3MS SUPERIMPOSED	MAXIMUM REVERSE CURRENT @PRV @ 25°C T <sub>A</sub>	MAXIMUM FORWARD VOLTAGE @ 25°C T <sub>A</sub>		PRICE
	PRV	I <sub>o</sub> @ T <sub>A</sub>		IMF(SURGE)	IR	IFM	VFM	
	VPK	AAV	°C	APK	uA <sub>dc</sub>	APK	VPK	

**1.0 AMPERE/DO-41**



1N4001	50	1.0	75	50	5.0	1.0	1.0	7.00 C
1N4002	100	1.0	75	50	5.0	1.0	1.0	7.25 C
1N4003	200	1.0	75	50	5.0	1.0	1.0	7.50 C
1N4004	400	1.0	75	50	5.0	1.0	1.0	7.25 C
1N4005	600	1.0	75	50	5.0	1.0	1.0	8.00 C
1N4006	800	1.0	75	50	5.0	1.0	1.0	8.25 C
1N4007	1000	1.0	75	50	5.0	1.0	1.0	8.50 C

Suffix "W" is DO214 Surface Mount. Call for price and availability

**3.0 AMPERES/DO-201AD**

1N5400	50	3.0	75	200	5.0	3.0	0.95	11.25 C
1N5401	100	3.0	75	200	5.0	3.0	0.95	27.00 C
1N5402	200	3.0	75	200	5.0	3.0	0.95	28.00 C
1N5404	400	3.0	75	200	5.0	3.0	0.95	25.00 C
1N5406	600	3.0	75	200	5.0	3.0	0.95	26.00 C
1N5407	800	3.0	75	200	5.0	3.0	0.95	27.00 C
1N5408	1000	3.0	75	200	5.0	3.0	0.95	29.00 C

**6.0 AMPERES/R-6**

6A05	50	6.0	75	400	10	6.0	0.9	32.50 C
6A1	100	6.0	75	400	10	6.0	0.9	33.75 C
6A2	200	6.0	75	400	10	6.0	0.9	35.00 C
6A6	600	6.0	75	400	10	6.0	0.9	45.00 C
6A8	800	6.0	75	400	10	6.0	0.9	42.50 C
6A10	1000	6.0	75	400	10	6.0	0.9	45.00 C

**SCHOTTKY BARRIER RECTIFIERS**

**1.0 AMPERE SCHOTTKY / DO-41**



1N5817	20	1.0	90	30	1.0	1.0	0.45	25.00 C
1N5818	30	1.0	90	30	1.0	1.0	0.55	22.00 C
1N5819	40	1.0	90	30	1.0	1.0	0.60	22.50 C

Prefix "DL" is DL-41 Surface Mount. Call for price and availability

**3.0 AMPERE & 5.0 AMPERE SCHOTTKY / DO-201AD**

1N5820	20	3.0	95	80	2.0	3.0	0.475	43.75 C
1N5821	30	3.0	95	80	2.0	3.0	0.500	43.75 C
1N5822	40	3.0	95	80	2.0	3.0	0.525	43.75 C
SR502	20	5.0	90	150	1.0	5.0	.55	75.00 C
SR504	40	5.0	90	150	1.0	5.0	.55	80.00 C
SR506	60	5.0	100	150	1.0	5.0	.67	92.50 C

**HIGH SPEED SWITCHING DIODES**



JEDEC: D0-35

DEVICE TYPE	PEAK REVERSE VOLTAGE VRM	REVERSE CURRENT max		FORWARD VOLTAGE max		CAPACITANCE C max (pF)	REVERSE RECOVERY TIME T <sub>rr</sub> max (nS)	POWER DISSIPATION Pd (mW)	PRICE
	(V)	IR @ (nA)	VR (V)	VF @ (V)	@ IF (mA)				
1N914	100	5000	75	1.0	10	4	4	250	5.00 C
1N914A	100	5000	75	1.0	20	4	4	250	5.50 C
1N914B	100	5000	75	1.0	100	4	4	250	5.50 C
1N4148	100	5000	75	1.0	10	4	4	500	5.00 C
1N4150	50	100	50	1.0	200	2	4	500	6.00 C
1N4151	75	50	50	1.0	50	2	2	500	6.00 C
1N4154	35	100	25	1.0	30	4	2	500	6.00 C
1N4448	100	5000	75	1.0	100	4	4	500	6.00 C
1N4454	75	100	50	1.0	10	2	2	500	6.00 C

Prefix "DL" is DL-35 Surface Mount. Call for price and availability



TYPE	MAXIMUM PEAK REVERSE VOLTAGE	MAXIMUM AVERAGE RECTIFIED CURRENT @ HALF-WAVE RESISTIVE LOAD 60HZ		MAXIMUM FORWARD PEAK SURGE CURRENT @8.3ms SUPERIMPOSED	MAXIMUM REVERSE CURRENT @ PRV @ 25°C TA	MAXIMUM FORWARD VOLTAGE @ 25°C TA		PRICE
	PRV	I <sub>o</sub> @ T HEAT SINK		IMF(SURGE)	IR	IFM	VFM	
	VPK	AAV	°C	APK	uAdc	APK	VPK	

**1.5 AMPERE / RB-15**  
**2.0 AMPERE / RS-2**

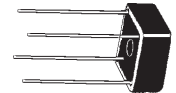


Part	PRV	AAV	°C	APK	IR	IFM	VFM	Price
RB151	50	1.5	50	50	10	1.0	1.0	\$ 40.00 C
RB152	100	1.5	50	50	10	1.0	1.0	41.25 C
RB153	200	1.5	50	50	10	1.0	1.0	43.75 C
RB154	400	1.5	50	50	10	1.0	1.0	46.25 C
RB155	600	1.5	50	50	10	1.0	1.0	48.75 C
BR805D	50	2.0	75	50	10	1.0	1.0	60.00 C
BR81D	100	2.0	75	50	10	1.0	1.0	62.00 C
BR82D	200	2.0	75	50	10	1.0	1.0	65.00 C
BR84D	400	2.0	75	50	10	1.0	1.0	67.00 C
BR86D	600	2.0	75	50	10	1.0	1.0	70.00 C

**4.0 AMPERE / RS-4L**

Part	PRV	AAV	°C	APK	IR	IFM	VFM	Price
RS401L	50	4.0	50	200	10	3.0	1.0	1.05 E
RS402L	100	4.0	50	200	10	3.0	1.0	1.10 E
RS403L	200	4.0	50	200	10	3.0	1.0	1.35 E
RS404L	400	4.0	50	200	10	3.0	1.0	1.25 E
RS405L	600	4.0	50	200	10	3.0	1.0	1.35 E

**8.0/10 AMPERE / PB6 (Ceramic Case)**  
**OPERATING TEMPERATURE -65 C TO +150°C**



Part	PRV	AAV	°C	APK	IR	IFM	VFM	Price
MB805	50	8.0	75	125	5.0	4.0	1.1	1.68 E
MB81	100	8.0	75	125	5.0	4.0	1.1	1.70 E
MB82	200	8.0	75	125	5.0	4.0	1.1	1.72 E
MB84	400	8.0	75	125	5.0	4.0	1.1	1.80 E
MB86	600	8.0	75	125	5.0	4.0	1.1	1.95 E
MB88	800	8.0	75	125	5.0	4.0	1.1	2.00 E
MB1005	50	10	75	150	5.0	5.0	1.1	1.98 E
MB101	100	10	75	150	5.0	5.0	1.1	2.00 E
MB102	200	10	75	150	5.0	5.0	1.1	2.05 E
MB104	400	10	75	150	5.0	5.0	1.1	2.10 E
MB106	600	10	75	150	5.0	5.0	1.1	2.20 E

**15/25/35 AMPERE / MB-35 (High Conductivity Metal Case)**



Part	PRV	AAV	°C	APK	IR	IFM	VFM	Price
MB1505	50	15	55	300	10	7.5	1.1	3.05 E
MB151	100	15	55	300	10	7.5	1.1	3.10 E
MB152	200	15	55	300	10	7.5	1.1	3.15 E
MB154	400	15	55	300	10	7.5	1.1	3.23 E
MB156	600	15	55	300	10	7.5	1.1	3.30 E
MB158	800	15	55	300	10	7.5	1.1	3.43 E
MB1510	1000	15	55	300	10	7.5	1.1	3.48 E
MB2505	50	25	55	300	10	12.5	1.1	3.30 E
MB251	100	25	55	300	10	12.5	1.1	3.38 E
MB252	200	25	55	300	10	12.5	1.1	3.48 E
MB254	400	25	55	300	10	12.5	1.1	3.53 E
MB256	600	25	55	300	10	12.5	1.1	3.57 E
MB258	800	25	55	300	10	12.5	1.1	3.75 E
MB2510	1000	25	55	300	10	12.5	1.1	4.00 E
MB3505	50	35	55	400	10	17.5	1.2	3.65 E
MB351	100	35	55	400	10	17.5	1.2	3.75 E
MB352	200	35	55	400	10	17.5	1.2	3.80 E
MB354	400	35	55	400	10	17.5	1.2	3.88 E
MB356	600	35	55	400	10	17.5	1.2	3.93 E
MB358	800	35	55	400	10	17.5	1.2	4.05 E
MB3510	1000	35	55	400	10	17.5	1.2	4.25 E

NOMINAL ZENER VOLTAGE VZ	400 mW. DO.35 5% TOLERANCE		500 mW. DO35 5% TOLERANCE		1W. DO41 5% TOLERANCE		5 W 5% TOLERANCE		
	VOLTS	JEDEC P/N	PRICE	JEDEC P/N	PRICE	JEDEC P/N	PRICE	JEDEC P/N	PRICE
3.3	1N746A	\$ 14.50	1N5226B *	\$ 18.50					
3.6	1N747A	C	1N5227B *	C	1N4729A	\$ 27.50 C			
3.9	1N748A	14.50 C	1N5228B *	18.50 C	1N4730A *	27.50 C			
4.3	1N749A	14.50 C	1N5229B *	18.50 C	1N4731A *	27.50 C			
4.7	1N750A	14.50 C	1N5230B *	18.50 C	1N4732A *	27.50 C			
5.1	1N751A	14.50 C	1N5231B *	18.50 C	1N4733A *	27.50 C			
5.6	1N752A	14.50 C	1N5232B *	18.50 C	1N4734A *	27.50 C			
6.0		14.50 C	1N5233B *	18.50 C					
6.2	1N753A		1N5234B *	18.50 C	1N4735A *	27.50 C			
6.8	1N754A / 1N957B	14.50 C	1N5235B *	18.50 C	1N4736A *	27.50 C	1N5342B	\$ 110.00 C	
7.5	1N755A / 1N958B	14.50 C	1N5236B *	18.50 C	1N4737A *	27.50 C	1N5343B	110.00 C	
8.2	1N756A / 1N959B	14.50 C	1N5237B *	18.50 C	1N4738A *	27.50 C	1N5344B	110.00 C	
8.7		14.50 C	1N5238B *	18.50 C			1N5345B	110.00 C	
9.1	1N757A / 1N960B		1N5239B *	18.50 C	1N4739A *	27.50 C	1N5346B	110.00 C	
10	1N758A / 1N961B	14.50 C	1N5240B *	18.50 C	1N4740A *	27.50 C	1N5347B	110.00 C	
11	1N962B	14.50 C		18.50 C	1N4741A *	27.50 C	1N5348B	110.00 C	
12	1N759A / 1N963B	14.50 C			1N4742A *	27.50 C	1N5349B	110.00 C	
13	1N964B	14.50 C			1N4743A *	27.50 C	1N5350B	110.00 C	
14		14.50 C					1N5351B	110.00 C	
15	1N965B				1N4744A *	27.50 C	1N5352B	110.00 C	
16	1N966B	14.50 C			1N4745A *	27.50 C	1N5353B	110.00 C	
17		14.50 C					1N5354B	110.00 C	
18					1N4746A *	27.50 C	1N5355B	110.00 C	
19							1N5356B	110.00 C	
20					1N4747A *	27.50 C	1N5357B	110.00 C	
22					1N4748A *	27.50 C	1N5358B	110.00 C	
24					1N4749A *	27.50 C	1N5359B	110.00 C	
25							1N5360B	110.00 C	
27					1N4750A *	27.50 C	1N5361B	110.00 C	
28							1N5362B	110.00 C	
30					1N4751A *	27.50 C	1N5363B	110.00 C	
33					1N4752A *	27.50 C	1N5364B	110.00 C	
36					1N4753A *	27.50 C	1N5365B	110.00 C	

\* For 500 mW types, prefix "DL" is DL-35 Surface Mount. For 1 watt types, prefix "DL" is DL-41 Surface Mount. Call for prices and availability



## LEAD MOUNTED TRANSISTORS

### NPN TRANSISTORS / TO-

TYPE	$\beta_{CEO}$	$h_{FE} @ V_{CE} / I_C$		$V_{CE SAT} @ I_C / I_B$		$I_{CES} @ V_{CE}$		$f_T @ V_{CE} / I_C$		$C_{OB} @ V_{CB}$		PRICE
	Volts		V/mA	max. V	mA / mA	max. nA	V	MHz	V / mA	max. pF	V	
PN2222A	40	100-300	10/150	1.0	500/50	10	60	min 300	20/20	8.0	10	\$ 21.00
2N3904	40	100-300	1/10	0.3	50/5	50	30	min 300	20/10	4	5	C
2N4401	40	100-300	1/150	0.75	500/50	100	35	min 250	10/20	6.5	5	22.50 C
MPSA42	300	40 min	10/30	0.5	20/2	100	200	min 50	20/10	4.0	20	22.50 C

### PNP TRANSISTORS / TO-92

PN2907A	60	100-300	10/150	1.6	500/50	10	50	min 200	20/50	8.0	10	\$ 21.00 C
2N3906	40	100-300	1/10	0.4	50/5	50	30	min 250	20/10	4.5	5	22.50 C
2N4403	40	100-300	1/150	0.75	500/50	100	35	min 200	10/20	8.5	5	22.50 C
2N5401	150	40-200	10/1	0.20	10/1	50	120	min 100	10/10	6.0	10	22.50 C
MPSA92	300	40 min	10/10	0.5	20/2	250	200	min 50	20/10	8.0	20	15.00 C

### NPN DARLINGTON AMPLIFIERS / TO-92

TYPE	$V_{CEO}$	$h_{FE} @ V_{CE} / I_C$		$V_{CE SAT} @ I_C / I_B$		$I_{CBO} @ V_{CE}$		$f_T @ V_{CE} / I_C$		$V_{BE(ON)} @ V_{CE} / I_C$		PRICE
	Volts		V/mA	max. V	mA / mA	max. nA	V	MHz	V / mA	max. V	V/mA	
MPSA13	30	10000	5/100	1.5	100/0.1	100	30	125	5/10	2.0	5/100	\$ 30.00 C
MPSA14	30	20000	5/100	1.5	100/0.1	100	30	125	5/10	2.0	5/100	30.00 C

Prices listed in this catalog are for estimating purposes. Prices were correct first column net at the time the pages were composed.