

## DESCRIPTION

### 2N TYPES

2N6257 High-Current, General Purpose  
 2N3771 High-Current, General Purpose  
 2N3772 High-Current, General Purpose  
 BDY29 High-Current, General Purpose

### AUDIO TYPES

40411 Output, 70-W Class AB Amplifier

### 2N TYPES

2N4348 High-Current High Voltage, General Purpose  
 2N3773 High-Current High Voltage, General Purpose  
 2N6259 High-Current High Voltage, General Purpose  
 BDY37 High-Current High Voltage, General Purpose

### 2N TYPES

2N3878 Audio, Ultrasonic Amplifiers and RF  
 2N3879 High-Current High-Speed Switch  
 2N5202 High-Current High-Speed Switch  
 2N6500 High-Current High-Speed Switch

### AUDIO TYPES

40364 Output, 20-W Class AB Amplifier

### OTHER TYPES

40375 2N3878-with Heat Radiator\*

### 2N TYPES

2N4036 PNP Complement of 2N2102  
 2N4037 PNP Complement of 2N3053  
 2N4314 Low Cost, High Voltage

## 2N3771 FAMILY [n-p-n] (silicon)

$f_T = 0.8$  MHz min;  $P_T$  up to 250 W max

$V_{CEQ(sus)}$ V	$V_{CER(sus)}$ V	$V_{CEV(sus)}$ V	$h_{FE}$	$I_C$ A	$V_{CE}$ V	$I_{CEV-mA}$ Temp. -°C	$V_{CE(sat)-V}$	$I_B$ A	$V_{BE-V}$
						25 150	$I_C$ A		
40	45	50	15-75	8	4	4	1.5	8	2.2
40	45	50	15-60	15	4	2	2	15	2.7
60	70	80	15-60	10	4	5	1.4	10	2.2
75	—	90	15-60	15	2	1	1.2	15	3.5
						10	100	1.5	3.5
						10	100	1.5	3.5

▲ At  $V_{CE} = 30$  V

■ JAN & JAN TX types available. ● ICER

## 2N3773 FAMILY [n-p-n] (silicon)

$f_T = 0.7$  MHz typ;  $P_T$  up to 250 W max

120	140	140	15-60	5	4	2	10	1	5	0.5	2	5
140	150	160	15-60	8	4	2	10	1.4	8	0.8	2.2	8
150	160	170	15-60	8	2	0.2	4	1	8	0.8	2	8
140	—	160	15-60	8	4	2	10	1.4	8	0.8	2.2	8

## 2N3879 FAMILY [n-p-n] (silicon)

$f_T = 60$  MHz min;  $P_T = 35$  W max

50	65	—	50-200	0.5	5	4	4	100	2	4	0.5	2.5	4
75	90	—	20-80	4	5	4	4	100	1.2	4	0.4	1.8	4
—	75	—	10-100	4	1.2	10	10	100	1.2	4	0.4	1.9	4
90	110	—	15-60	3	2	5	10	110	1.5	3	0.3	2.5	3

—	70	—	35-175	0.5	5	0.5	2	50	2	2.5	0.25	1.8	2.5
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50	65	—	50-200	0.5	5	4	4	100	2	4	0.5	2.5	4
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\* Radiator improves  $R_{\theta JA}$  from 70°C/W to 30°C/W

## 2N4036 FAMILY [p-n-p] (silicon)

$f_T = 60$  MHz min;  $P_T$  up to 7 W max

-65	-85	-85	40-140	-0.15	-10	-0.02	—	-60	-0.65	-0.15	-0.015	-1.1	-0.15
-40	-60	-60	50-250	-0.15	-10	-0.25	—	-60	-1.4	-0.15	-0.015	-1.5	-0.15
-65	-85	-85	50-250	-0.15	-10	-0.25	—	-60	-1.4	-0.15	-0.015	-1.5	-0.15

● ICER

