## GERMANIUM SMALL SIGNAL TRANSISTORS PRO ELECTRON TYPES

PRO ELECTRON TYPES													
Туре	Polar- ity	V <sub>CBO</sub> V Max	V <sub>EBO</sub> V Max	V <sub>CE</sub> V Max		@V <sub>CB</sub>	μΑ Max	h <sub>re</sub> Min Max	@1, m.4	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @ 25°C MW
ACY33 ACY34 ACY35 ACY36 ACY38	P P P P	32 30 30 32 15	10 10 10 10 9	32 10 10 16		10 30 30 30 30	10 12 12 12	75-250 20-40 30-75 30-90 75-	300 1' 1' 80 1'	100 40 40 40 40	1.0 1.0 <sup>2</sup> 1.0 <sup>2</sup> 1.0 <sup>2</sup> 5.0	TO-1 TO-1 TO-1 TO-1 TO-5	1,000 200 200 200 200 150
ACY39 ACY40 ACY41 ACY44	P P P	110 32 32 50	12 12 12 12	40 18 18 30		6 6 6	10 10 10 10	50-150 30-70 50-250 40-120	300 300 300 300	40 40 40 40	1.0 <sup>1</sup> 1.0 <sup>1</sup> 1.0 <sup>1</sup> 1.0 <sup>1</sup>	TO-5 TO-5 TO-5 TO-5	260 260 260 260
ASY26 ASY27 ASY28 ASY29 ASY48	P P N N	30 25 30 25 64	20 20 20 20 20 16	15 15 15 15 45		30 25 5 5	7 7 3.0 3.0	30-80 50-150 30-80 50-150 30-150	20 20 20 20 20 100	16 16 16 16 40	4.0 6.0 4.0 10.0 1.2 <sup>2</sup>	TO-5 TO-5 TO-5 TO-5 TO-1	150 150 150 150 900
ASY70 ASY76 ASY77 ASY80 ASY81	P P P P	32 40 60 40 60	16 10 10 20 25	30 32 60 40 35		10 10 10 60	10 10 10 15	30-150 25-130 25-130 60-165 30-100	100 300 300 50 100	40 60 60 60 25	1.5 <sup>2</sup> 0.5 0.5 0.7 2.0	TO-1 TO-5 TO-5 TO-5 TO-5	900 300 300 300 300 200
OC65 OC66 OC70 OC71 OC72	P P P P	10 10 30 30 30 32	10 10 10 10	10 10 10 10 10		4.5 4.5 4.5 4.5 10	12 12 13 13 10	30- 50- 20-40 41- 45-120	4 4 0.5 <sup>1</sup> 1.0 <sup>1</sup> 10	40 40 40 40 40	1.0° 1.0° 1.0° 1.0° 1.0°	TO-1 TO-1 TO-1 TO-1 TO-1	25 25 125 125 125
OC73 OC74 OC75 OC76 OC77	P P P P	32 20 30 32 60	20 5 10 10	16 10 16 15	10	4.5 9 4.5 10	6 20 14 10 10	30-65 60-150 60-130 45- 45-	0.5 <sup>1</sup> 50 3 <sup>1</sup> 10 10	40 40 40 40 40	1.0 <sup>1</sup> 1.0 <sup>1</sup> 1.0 <sup>1</sup> 1.0 <sup>1</sup>	TO-1 TO-1 TO-1 TO-1 TO-1	125 220 125 125 125
OC78 OC81N OC83N OC84N	P P P	20 32 32 32 32	10 10 10 10	20 20		10 10 10 10	10 10 10 10	20- 50-250 40-200 50-160	125 50 300 300	40 40 40 40	1.0° 1.0° 1.0° 1.0°	TO-1 TO-1 TO-1 TO-1	200 200 220 220 220
hfe typical			, , , , , , , , , , , , , , , , , , , ,										
Туре		V <sub>CBO</sub> V Max	V <sub>EBO</sub> V Max	V <sub>CE</sub> V Max		@V <sub>CB</sub>	μΑ Max	h <sub>FE</sub> Typical	@Ic mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @ 25°C MW
	<u> </u>			<b></b>	Pl	NP LOW	POWER						
2N217 2N408 2N484 2N519 2N520		35 20 12 15 15	12 2.5 10 10	25 18 15 12		10 20 12 0.5 0.5	10 14 10 2.0 2.0	50- 65- 90- 25- 40-	1 <sup>1</sup> 50 1 <sup>1</sup> 1 <sup>1</sup>	60 12 <sup>2</sup> 14 <sup>2</sup> 14 <sup>2</sup>	1 <sup>2</sup> 10 0.5 3.0	TO-1 TO-1 TO-5 TO-5 TO-5	165 150 150 100 100
2N520A 2N522A		25 25	10 10	15 10		0.5 0.5	2.0 2.0	40- 100-	11 11	14 <sup>2</sup> 14 <sup>2</sup>	3.0 15.0	TO-5 TO-5	150 150

Туре		V <sub>сво</sub> V Мах	V <sub>EBO</sub> V Max	V <sub>CE</sub> V Max	@;	I <sub>CBC</sub> V <sub>CB</sub> V	μA Max	h <sub>re</sub> Typical	@I <sub>c</sub> mA	Cob pf Max	fab MHZ Min	Pack Outline	Power Dissipation @25°C MW
NPN LOW POWER													
2N166 2N167 2N169A 2N356		6 30 25 20	50 25 20	30 25 18		6 30 25 20	5 1.5 5 5	32 30	1.0 1.0 1.0	4.0° 2.4° 14°	5.0 8.0 5.0 3.0	R5 OV17 OV17 TO-5	25 65 55 100

50-100-30-40 TO-5 TO-5 TO-5 TO-5

1.0

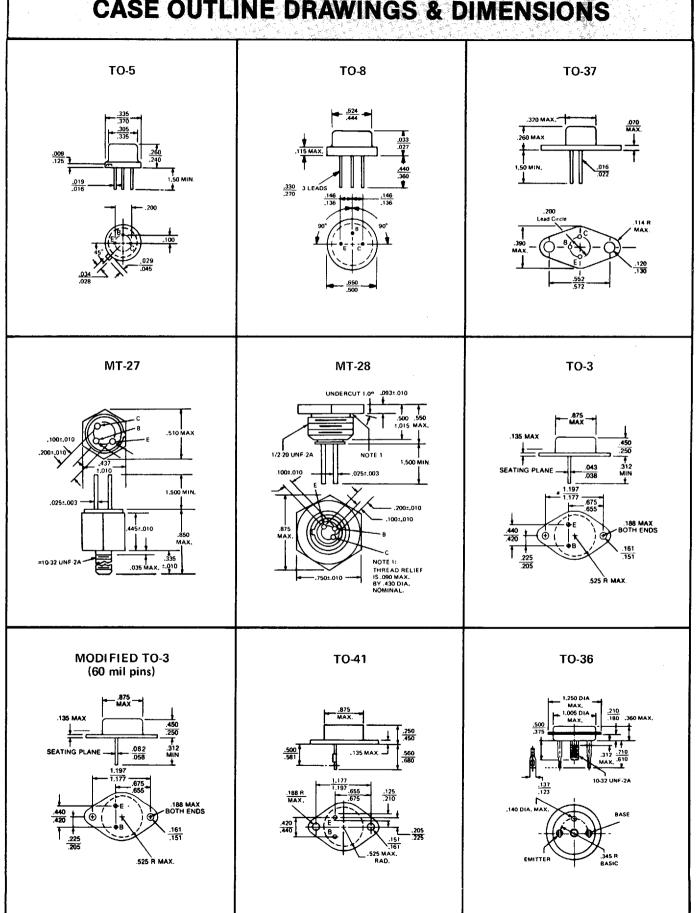
1.2

5.0

2N1187 2N1188 2N1729 2N1731

### **GERMANIUM POWER TRANSISTORS**

## **CASE OUTLINE DRAWINGS & DIMENSIONS**



### **GERMANIUM POWER TRANSISTORS**

# **CASE OUTLINE DRAWINGS & DIMENSIONS** TO-13 TO-66 MS-7 .360 MIN. MT-22 MT-23 MT-7 .09 DIA. (3) ... L COLLECTOR TO-68 MT-36 SEATING PLANE Germanium Power Devices Corporation

### **GERMANIUM POWER TRANSISTORS**

#### **CASE OUTLINE DRAWINGS & DIMENSIONS** NS257 **TO-1** Dimensions in mm 15.7max 38.1<sup>min</sup> 410 MAX. .050 MAX. SEATING PLANE TO-18 3 LEADS 0.019 DIA (34) - | | | | | | .019 (DIM A) 0.100 LLLL. .021 MAX (DIM B) - COLLECTOR 0.050 .250 MIN. 0.050 ALL DIMENSIONS ARE MAXIMUM IN INCHES UNLESS OTHERWISE (34) .061 THE COLLECTOR IS ELECTRICAL **ALL JEDEC TO-18 DIMENSIONS** CONTACT WITH THE CASE. AND NOTES ARE APPLICABLE.



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