Digital Transistors (BRT)
R1 = 47 kΩ, R2 = 22 kΩ
NPN Transistors with Monolithic Bias Resistor Network

ON Semiconductor®

MUN2237, MMUN2237L, MUN5237, DTC144WE, DTC144WM3, NSBC144WF3

This series of digital transistors is designed to replace a single device and its external resistor bias network. The Bias Resistor Transistor (BRT) contains a single transistor with a monolithic bias network consisting of two resistors; a series base resistor and a base−emitter resistor. The BRT eliminates these individual components by integrating them into a single device. The use of a BRT can reduce both system cost and board space.
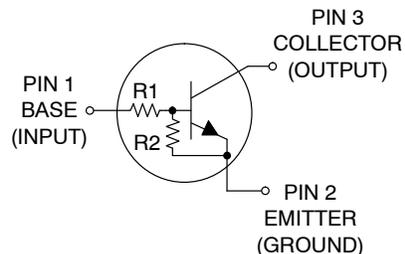
Features

- Simplifies Circuit Design
- Reduces Board Space
- Reduces Component Count
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC−Q101 Qualified and PPAP Capable
- These Devices are Pb−Free, Halogen Free/BFR Free and are RoHS Compliant
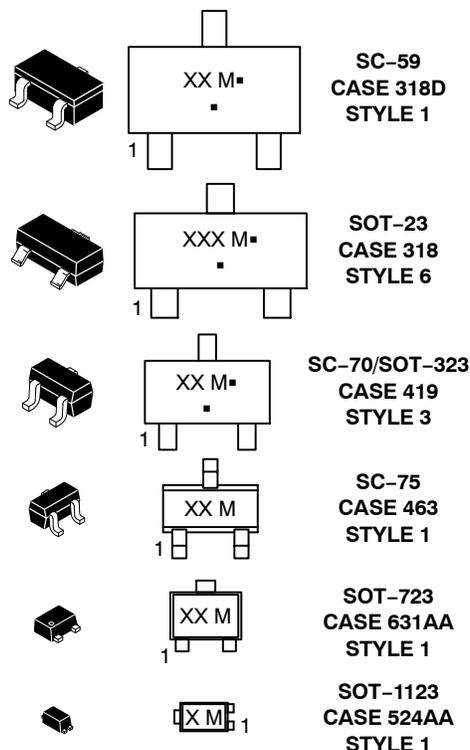
MAXIMUM RATINGS (T_A = 25°C)

Rating	Symbol	Max	Unit
Collector−Base Voltage	V_{CBO}	50	Vdc
Collector−Emitter Voltage	V_{CEO}	50	Vdc
Collector Current − Continuous	I_C	100	mAdc
Input Forward Voltage	$V_{IN(fwd)}$	40	Vdc
Input Reverse Voltage	$V_{IN(rev)}$	10	Vdc

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

PIN CONNECTIONS

PIN 1 BASE (INPUT)

PIN 3 COLLECTOR (OUTPUT)

R1
R2

PIN 2 EMITTER (GROUND)

MARKING DIAGRAMS

XX M∎
SC−59
CASE 318D
STYLE 1

XXX M∎
SOT−23
CASE 318
STYLE 6

XX M∎
SC−70/SOT−323
CASE 419
STYLE 3

XX M
SC−75
CASE 463
STYLE 1

XX M
SOT−723
CASE 631AA
STYLE 1

X M
SOT−1123
CASE 524AA
STYLE 1

XXX	=	Specific Device Code
M	=	Date Code*
∎	=	Pb−Free Package

(Note: Microdot may be in either location)

*Date Code orientation may vary depending upon manufacturing location.

ORDERING INFORMATION

See detailed ordering, marking, and shipping information in the package dimensions section on page 2 of this data sheet.

Table 1. ORDERING INFORMATION

Device	Part Marking	Package	Shipping†
MUN2237T1G, NSVMUN2237T1G*	8P	SC−59 (Pb−Free)	3000 / Tape & Reel
MMUN2237LT1G, NSVMMUN2237LT1G*	AA3	SOT−23 (Pb−Free)	3000 / Tape & Reel
MUN5237T1G, NSVMUN5237T1G*	8P	SC−70/SOT−323 (Pb−Free)	3000 / Tape & Reel
DTC144WET1G, NSVDTC144WET1G*	8P	SC−75 (Pb−Free)	3000 / Tape & Reel
DTC144WM3T5G	8P	SOT−723 (Pb−Free)	8000 / Tape & Reel
NSBC144WF3T5G	Q	SOT−1123 (Pb−Free)	8000 / Tape & Reel

†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.

*NSV Prefixes for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC−Q101 Qualified and PPAP Capable.
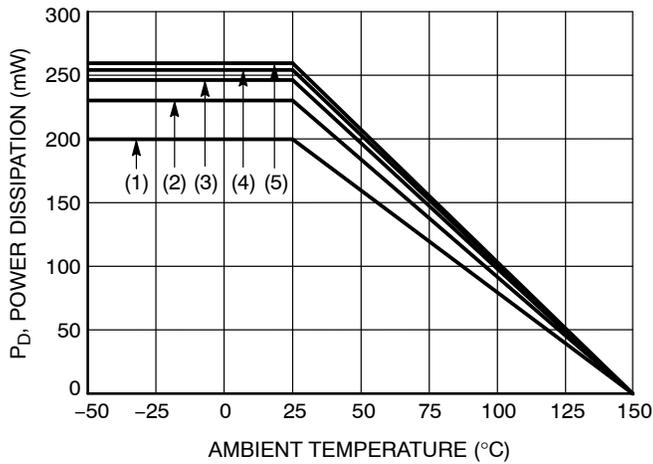
(1) SC−75 and SC−70/SOT323; Minimum Pad
(2) SC−59; Minimum Pad
(3) SOT−23; Minimum Pad
(4) SOT−1123; 100 mm^2, 1 oz. copper trace
(5) SOT−723; Minimum Pad

Figure 1. Derating Curve

Table 2. THERMAL CHARACTERISTICS

Characteristic		Symbol	Max	Unit
THERMAL CHARACTERISTICS (SC−59) (MUN2237)				
Total Device Dissipation $T_A = 25°C$	(Note 1)	P_D	230	mW
	(Note 2)		338	
Derate above 25°C	(Note 1)		1.8	mW/°C
	(Note 2)		2.7	
Thermal Resistance, Junction to Ambient	(Note 1)	$R_{\theta JA}$	540	°C/W
	(Note 2)		370	
Thermal Resistance, Junction to Lead	(Note 1)	$R_{\theta JL}$	264	°C/W
	(Note 2)		287	
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C
THERMAL CHARACTERISTICS (SOT−23) (MMUN2237L)				
Total Device Dissipation $T_A = 25°C$	(Note 1)	P_D	246	mW
	(Note 2)		400	
Derate above 25°C	(Note 1)		2.0	mW/°C
	(Note 2)		3.2	
Thermal Resistance, Junction to Ambient	(Note 1)	$R_{\theta JA}$	508	°C/W
	(Note 2)		311	
Thermal Resistance, Junction to Lead	(Note 1)	$R_{\theta JL}$	174	°C/W
	(Note 2)		208	
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C
THERMAL CHARACTERISTICS (SC−70/SOT−323) (MUN5237)				
Total Device Dissipation $T_A = 25°C$	(Note 1)	P_D	202	mW
	(Note 2)		310	
Derate above 25°C	(Note 1)		1.6	mW/°C
	(Note 2)		2.5	
Thermal Resistance, Junction to Ambient	(Note 1)	$R_{\theta JA}$	618	°C/W
	(Note 2)		403	
Thermal Resistance, Junction to Lead	(Note 1)	$R_{\theta JL}$	280	°C/W
	(Note 2)		332	
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C
THERMAL CHARACTERISTICS (SC−75) (DTC144WE)				
Total Device Dissipation $T_A = 25°C$	(Note 1)	P_D	200	mW
	(Note 2)		300	
Derate above 25°C	(Note 1)		1.6	mW/°C
	(Note 2)		2.4	
Thermal Resistance, Junction to Ambient	(Note 1)	$R_{\theta JA}$	600	°C/W
	(Note 2)		400	
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C
THERMAL CHARACTERISTICS (SOT−723) (DTC144WM3)				
Total Device Dissipation $T_A = 25°C$	(Note 1)	P_D	260	mW
	(Note 2)		600	
Derate above 25°C	(Note 1)		2.0	mW/°C
	(Note 2)		4.8	
Thermal Resistance, Junction to Ambient	(Note 1)	$R_{\theta JA}$	480	°C/W
	(Note 2)		205	
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C

1. FR−4 @ Minimum Pad.
2. FR−4 @ 1.0 x 1.0 Inch Pad.
3. FR−4 @ 100 mm^2, 1 oz. copper traces, still air.
4. FR−4 @ 500 mm^2, 1 oz. copper traces, still air.

Table 2. THERMAL CHARACTERISTICS

Characteristic		Symbol	Max	Unit
THERMAL CHARACTERISTICS (SOT−1123) (NSBC144WF3)				
Total Device Dissipation		P_D		
$T_A = 25°C$	(Note 3)		254	mW
	(Note 4)		297	
Derate above 25°C	(Note 3)		2.0	mW/°C
	(Note 4)		2.4	
Thermal Resistance,	(Note 3)	$R_{\theta JA}$	493	°C/W
Junction to Ambient	(Note 4)		421	
Thermal Resistance, Junction to Lead	(Note 3)	$R_{\theta JL}$	193	°C/W
Junction and Storage Temperature Range		T_J, T_{stg}	−55 to +150	°C

1. FR−4 @ Minimum Pad.
2. FR−4 @ 1.0 x 1.0 Inch Pad.
3. FR−4 @ 100 mm^2, 1 oz. copper traces, still air.
4. FR−4 @ 500 mm^2, 1 oz. copper traces, still air.

Table 3. ELECTRICAL CHARACTERISTICS ($T_A = 25°C$, unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
OFF CHARACTERISTICS					
Collector−Base Cutoff Current (V_{CB} = 50 V, I_E = 0)	I_{CBO}	–	–	100	nAdc
Collector−Emitter Cutoff Current (V_{CE} = 50 V, I_B = 0)	I_{CEO}	–	–	500	nAdc
Emitter−Base Cutoff Current (V_{EB} = 6.0 V, I_C = 0)	I_{EBO}	–	–	0.13	mAdc
Collector−Base Breakdown Voltage (I_C = 10 μA, I_E = 0)	$V_{(BR)CBO}$	50	–	–	Vdc
Collector−Emitter Breakdown Voltage (Note 5) (I_C = 2.0 mA, I_B = 0)	$V_{(BR)CEO}$	50	–	–	Vdc
ON CHARACTERISTICS					
DC Current Gain (Note 5) (I_C = 5.0 mA, V_{CE} = 10 V)	h_{FE}	80	140	–	
Collector − Emitter Saturation Voltage (Note 5) (I_C = 10 mA, I_B = 5.0 mA)	$V_{CE(sat)}$	–	–	0.25	Vdc
Input Voltage (off) (V_{CE} = 5.0 V, I_C = 100 μA)	$V_{i(off)}$	–	1.8	1.2	Vdc
Input Voltage (on) (V_{CE} = 0.3 V, I_C = 2.0 mA)	$V_{i(on)}$	4.0	2.3	–	Vdc
Output Voltage (on) (V_{CC} = 5.0 V, V_B = 4.0 V, R_L = 1.0 kΩ)	V_{OL}	–	–	0.2	Vdc
Output Voltage (off) (V_{CC} = 5.0 V, V_B = 0.25 V, R_L = 1.0 kΩ)	V_{OH}	4.9	–	–	Vdc
Input Resistor	R1	32.9	47	61.1	kΩ
Resistor Ratio	R_1/R_2	1.7	2.1	2.6	

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.
5. Pulsed Condition: Pulse Width = 300 msec, Duty Cycle ≤ 2%.

MUN2237, MMUN2237L, MUN5237, DTC144WE, DTC144WM3, NSBC144WF3

TYPICAL CHARACTERISTICS
MUN2237, MMUN2237L, MUN5237, DTC144WE, DTC144WM3
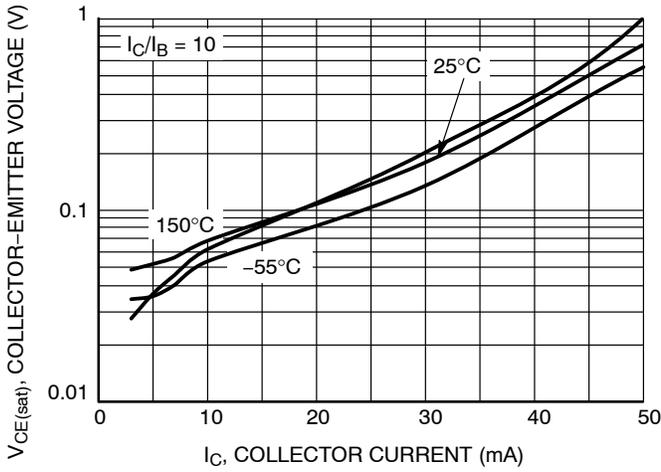
Figure 2. $V_{CE(sat)}$ vs. I_C
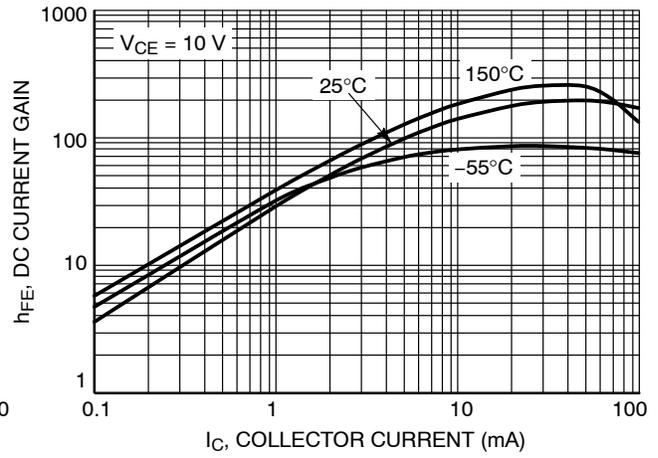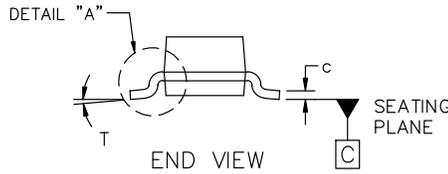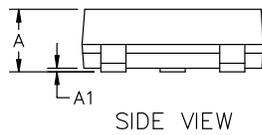
Figure 3. DC Current Gain
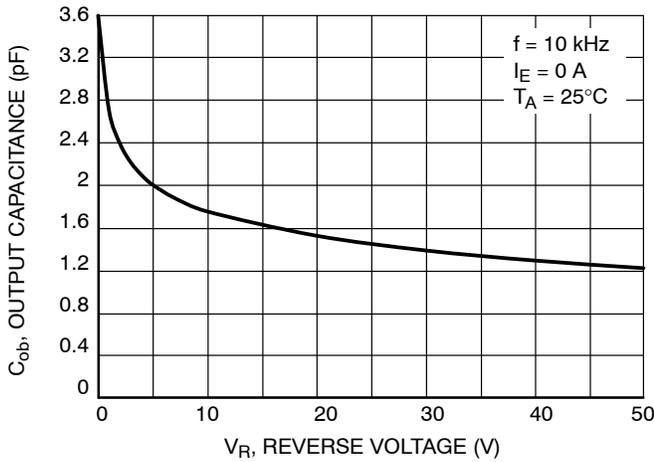
Figure 4. Output Capacitance
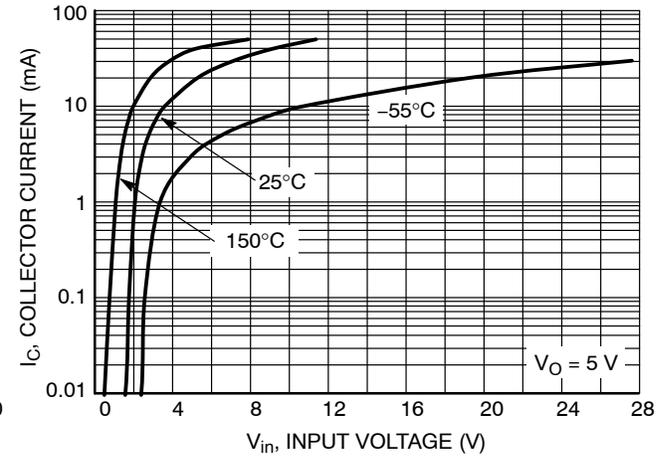
Figure 5. Output Current vs. Input Voltage
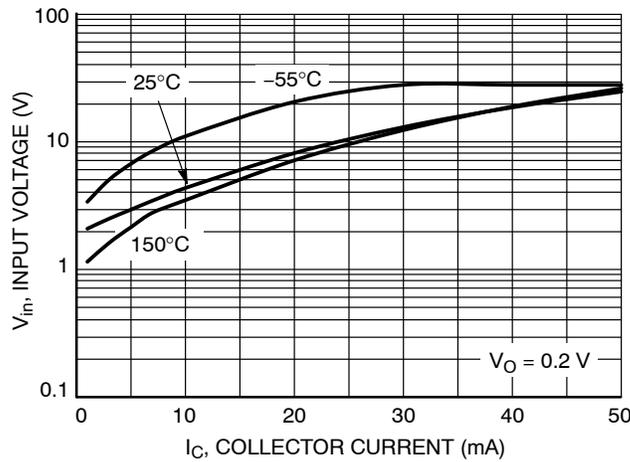
Figure 6. Input Voltage vs. Output Current

TYPICAL CHARACTERISTICS
NSBC144WF3
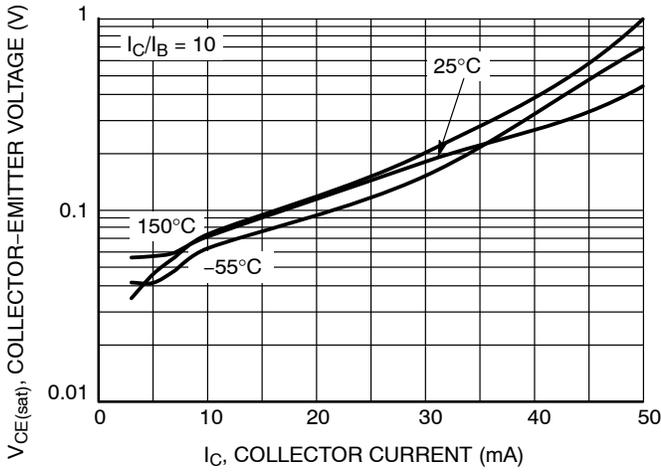
Figure 7. $V_{CE(sat)}$ vs. I_C
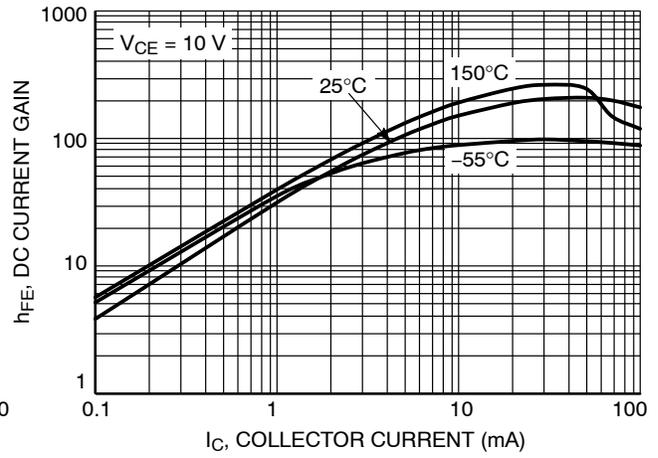
Figure 8. DC Current Gain
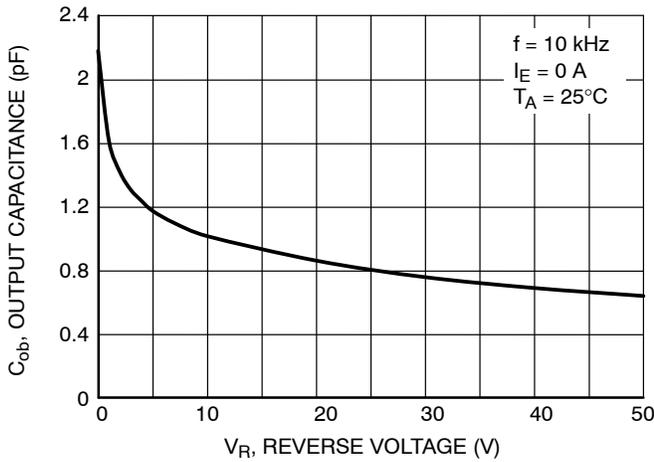
Figure 9. Output Capacitance
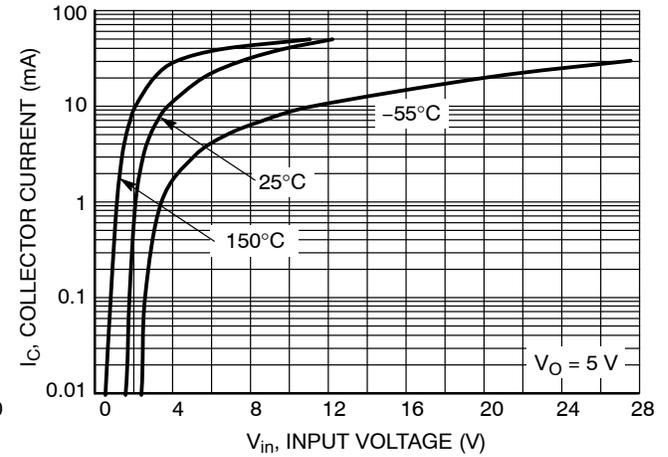
Figure 10. Output Current vs. Input Voltage
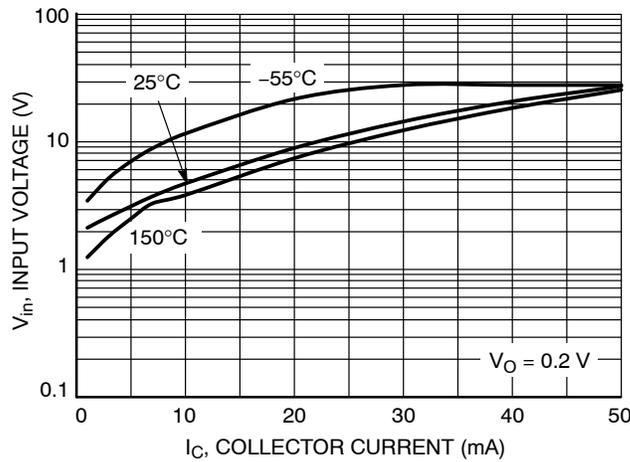
Figure 11. Input Voltage vs. Output Current
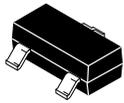
SOT−23 (TO−236) 2.90x1.30x1.00 1.90P
CASE 318
ISSUE AU

DATE 14 AUG 2024

SCALE 4:1

TOP VIEW

DETAIL "A"
Scale 3:1

SIDE VIEW

END VIEW

DETAIL "A"

SEATING PLANE
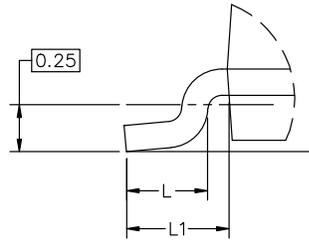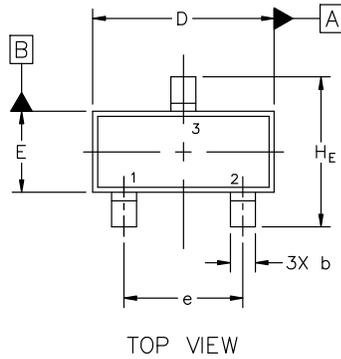
DIM	MILLIMETERS		
	MIN	NOM	MAX
A	0.89	1.00	1.11
A1	0.01	0.06	0.10
b	0.37	0.44	0.50
c	0.08	0.14	0.20
D	2.80	2.90	3.04
E	1.20	1.30	1.40
e	1.78	1.90	2.04
L	0.30	0.43	0.55
L1	0.35	0.54	0.69
H_E	2.10	2.40	2.64
T	0°	−−−	10°

NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
2. CONTROLLING DIMENSIONS: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF THE BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

GENERIC MARKING DIAGRAM*
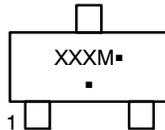
XXXM▪

XXX = Specific Device Code
M = Date Code
▪ = Pb−Free Package
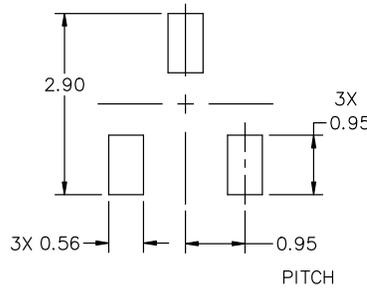
*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

RECOMMENDED
MOUNTING FOOTPRINT

2.90

3X
0.95

3X 0.56

0.95

PITCH

* For additional information on our Pb−Free strategy and soldering details, please download the onsemi Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.
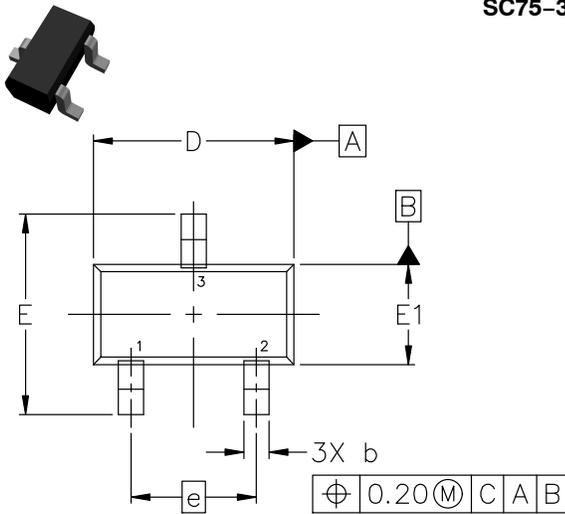
STYLES ON PAGE 2

DOCUMENT NUMBER:	98ASB42226B		
DESCRIPTION:	SOT−23 (TO−236) 2.90x1.30x1.00 1.90P		PAGE 1 OF 2

STYLE 1 THRU 5:
CANCELLED

STYLE 6:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 7:
PIN 1. EMITTER
2. BASE
3. COLLECTOR

STYLE 8:
PIN 1. ANODE
2. NO CONNECTION
3. CATHODE

STYLE 9:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 10:
PIN 1. DRAIN
2. SOURCE
3. GATE

STYLE 11:
PIN 1. ANODE
2. CATHODE
3. CATHODE−ANODE

STYLE 12:
PIN 1. CATHODE
2. CATHODE
3. ANODE

STYLE 13:
PIN 1. SOURCE
2. DRAIN
3. GATE

STYLE 14:
PIN 1. CATHODE
2. GATE
3. ANODE

STYLE 15:
PIN 1. GATE
2. CATHODE
3. ANODE

STYLE 16:
PIN 1. ANODE
2. CATHODE
3. CATHODE

STYLE 17:
PIN 1. NO CONNECTION
2. ANODE
3. CATHODE

STYLE 18:
PIN 1. NO CONNECTION
2. CATHODE
3. ANODE

STYLE 19:
PIN 1. CATHODE
2. ANODE
3. CATHODE−ANODE

STYLE 20:
PIN 1. CATHODE
2. ANODE
3. GATE

STYLE 21:
PIN 1. GATE
2. SOURCE
3. DRAIN

STYLE 22:
PIN 1. RETURN
2. OUTPUT
3. INPUT

STYLE 23:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 24:
PIN 1. GATE
2. DRAIN
3. SOURCE

STYLE 25:
PIN 1. ANODE
2. CATHODE
3. GATE

STYLE 26:
PIN 1. CATHODE
2. ANODE
3. NO CONNECTION

STYLE 27:
PIN 1. CATHODE
2. CATHODE
3. CATHODE

STYLE 28:
PIN 1. ANODE
2. ANODE
3. ANODE

DOCUMENT NUMBER:	98ASB42226B	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
DESCRIPTION:	SOT−23 (TO−236) 2.90x1.30x1.00 1.90P		PAGE 2 OF 2

SC−70 (SOT−323)
CASE 419
ISSUE R

DATE 11 OCT 2022

SCALE 4:1
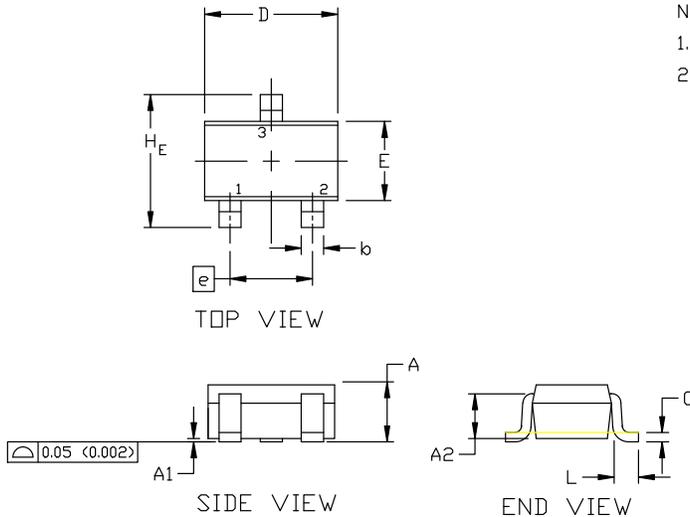
NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH

DIM	MILLIMETERS			INCHES		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	0.80	0.90	1.00	0.032	0.035	0.040
A1	0.00	0.05	0.10	0.000	0.002	0.004
A2	0.70 REF			0.028 BSC		
b	0.30	0.35	0.40	0.012	0.014	0.016
c	0.10	0.18	0.25	0.004	0.007	0.010
D	1.80	2.00	2.20	0.071	0.080	0.087
E	1.15	1.24	1.35	0.045	0.049	0.053
e	1.20	1.30	1.40	0.047	0.051	0.055
e1	0.65 BSC			0.026 BSC		
L	0.20	0.38	0.56	0.008	0.015	0.022
H_E	2.00	2.10	2.40	0.079	0.083	0.095
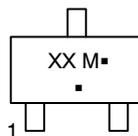
TOP VIEW

0.05 (0.002)

SIDE VIEW

END VIEW

0.65 [0.025]

0.65 [0.025]

1.90 [0.075]

0.90 [0.035]

0.70 [0.028]
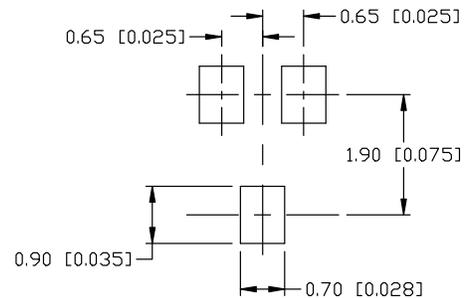
* For additional information on our Pb−Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.
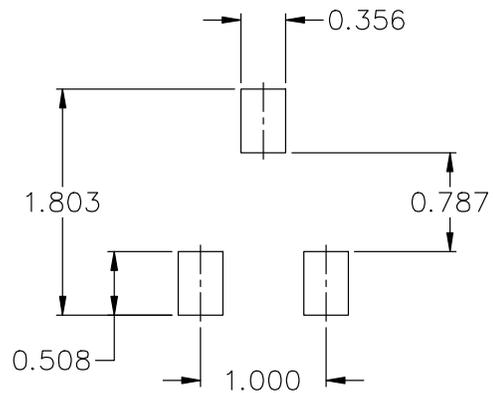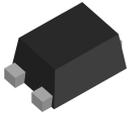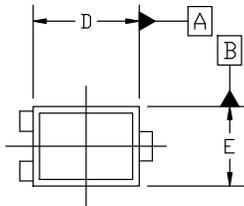
SOLDERING FOOTPRINT

GENERIC
MARKING DIAGRAM

XX M▪

1

XX = Specific Device Code
M = Date Code
▪ = Pb−Free Package

*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

STYLE 1:
CANCELLED

STYLE 2:
PIN 1. ANODE
2. N.C.
3. CATHODE

STYLE 3:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 4:
PIN 1. CATHODE
2. CATHODE
3. ANODE

STYLE 5:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 6:
PIN 1. EMITTER
2. BASE
3. COLLECTOR

STYLE 7:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 8:
PIN 1. GATE
2. SOURCE
3. DRAIN

STYLE 9:
PIN 1. ANODE
2. CATHODE
3. CATHODE-ANODE

STYLE 10:
PIN 1. CATHODE
2. ANODE
3. ANODE-CATHODE

STYLE 11:
PIN 1. CATHODE
2. CATHODE
3. CATHODE

DOCUMENT NUMBER:	98ASB42819B	
DESCRIPTION:	SC−70 (SOT−323)	PAGE 1 OF 1

SC75−3 1.60x0.80x0.80, 1.00P
CASE 463
ISSUE H

DATE 01 FEB 2024

NOTES:

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5−2018.
2. ALL DIMENSION ARE IN MILLIMETERS.

TOP VIEW

3X b

$\oplus$ | 0.20 (M) | C | A | B
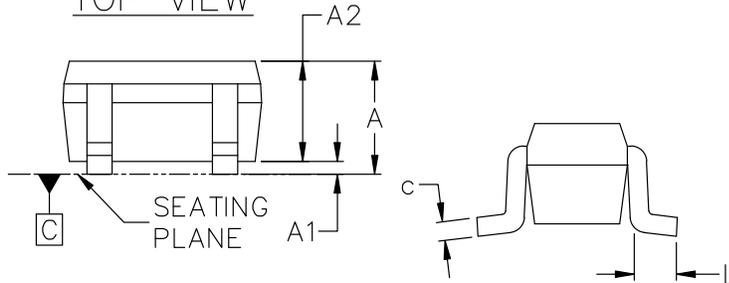
DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	0.70	0.80	0.90
A1	0.00	0.05	0.10
A2	0.80 REF.		
b	0.15	0.20	0.30
c	0.10	0.15	0.25
D	1.55	1.60	1.65
E	1.50	1.60	1.70
E1	0.70	0.80	0.90
e	1.00 BSC		
L	0.10	0.15	0.20
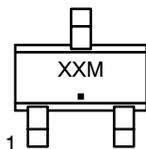
SIDE VIEW

SEATING PLANE

END VIEW

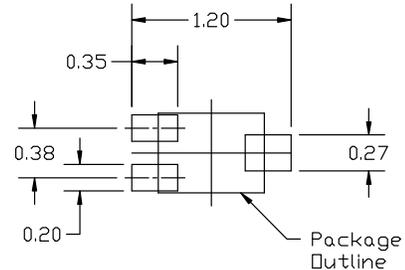**GENERIC MARKING DIAGRAM***

XXM

1

XX = Specific Device Code
M = Date Code
▪ = Pb−Free Package

*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

STYLE 1:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 2:
PIN 1. ANODE
2. N/C
3. CATHODE
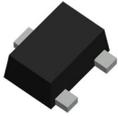
STYLE 3:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 4:
PIN 1. CATHODE
2. CATHODE
3. ANODE

STYLE 5:
PIN 1. GATE
2. SOURCE
3. DRAIN

0.356
1.803
0.787
0.508
1.000

RECOMMENDED MOUNTING FOOTPRINT*

* FOR ADDITIONAL INFORMATION ON OUR Pb−FREE STRATEGY AND SOLDERING DETAILS, PLEASE DOWNLOAD THE ON SEMICONDUCTOR SOLDERING AND MOUNTING TECHNIQUES REFERENCE MANUAL, SOLDERRM/D.

DOCUMENT NUMBER:	**98ASB15184C**	
DESCRIPTION:	**SC75−3 1.60x0.80x0.80, 1.00P**	**PAGE 1 OF 1**

SOT−1123 0.80x0.60x0.37, 0.35P
CASE 524AA
ISSUE D

DATE 18 JAN 2024

NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

TOP VIEW

SIDE VIEW

BOTTOM VIEW

DIM	MILLIMETERS
	MIN	NOM	MAX
A	0.34	0.37	0.40
b	0.15	0.22	0.28
b1	0.10	0.15	0.20
c	0.07	0.12	0.17
D	0.75	0.80	0.85
E	0.55	0.60	0.65
e	0.35	0.38	0.40
H	0.950	1.000	1.050
L	0.185 REF		
L2	0.05	0.10	0.15

GENERIC MARKING DIAGRAM*

XM

X = Specific Device Code
M = Date Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, "G" or microdot "•", may or may not be present. Some products may not follow the Generic Marking.

RECOMMENDED MOUNTING FOOTPRINT

1.20
0.35
0.38
0.20
0.27
Package Outline

*For additional information on our Pb−Free strategy and soldering details, please download th e ON Semiconductor Soldering and Mounting Techniques Reference manual, SOLDERRM/D.

STYLE 1:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 2:
PIN 1. ANODE
2. N/C
3. CATHODE

STYLE 3:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 4:
PIN 1. CATHODE
2. CATHODE
3. ANODE

STYLE 5:
PIN 1. GATE
2. SOURCE
3. DRAIN

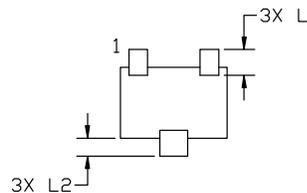| DOCUMENT NUMBER:	98AON23134D	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
DESCRIPTION:	SOT−1123 0.80x0.60x0.37, 0.35P		PAGE 1 OF 1

SOT−723 1.20x0.80x0.50, 0.40P
CASE 631AA
ISSUE E

DATE 24 JAN 2024

NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS.

DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	0.45	0.50	0.55
b	0.15	0.21	0.27
b1	0.25	0.31	0.37
c	0.07	0.12	0.17
D	1.15	1.20	1.25
E	0.75	0.80	0.85
e	0.40 BSC		
H	1.15	1.20	1.25
L	0.29 REF		
L2	0.15	0.20	0.25
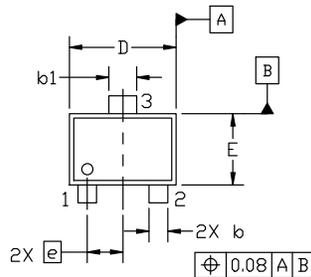
TOP VIEW
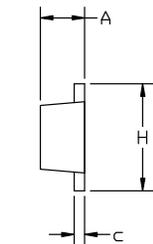
SIDE VIEW

BOTTOM VIEW

RECOMMENDED MOUNTING FOOTPRINT

2X 0.40 PITCH
2X 0.27
PACKAGE OUTLINE
1.50
3X 0.52
0.36

*For additional information on our Pb−Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

GENERIC MARKING DIAGRAM*

XX M

1

XX = Specific Device Code
M = Date Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb−Free indicator, "G" or microdot "∎", may or may not be present. Some products may not follow the Generic Marking.

STYLE 1:
PIN 1. BASE
2. EMITTER
3. COLLECTOR

STYLE 2:
PIN 1. ANODE
2. N/C
3. CATHODE

STYLE 3:
PIN 1. ANODE
2. ANODE
3. CATHODE

STYLE 4:
PIN 1. CATHODE
2. CATHODE
3. ANODE

STYLE 5:
PIN 1. GATE
2. SOURCE
3. DRAIN

DOCUMENT NUMBER:	98AON12989D	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
DESCRIPTION:	SOT−723 1.20x0.80x0.50, 0.40P		PAGE 1 OF 1

ADDITIONAL INFORMATION

◊

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[onsemi](#):

MUN2237T1G MUN5237T1G DTC144WM3T5G NSBC144WF3T5G DTC144WET1G MMUN2237LT1G
NSVDTC144WET1G NSVMMUN2237LT1G NSVMUN2237T1G NSVMUN5237T1G