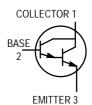


http://onsemi.com









STRAIGHT LEAD BULK PACK

BENT LEAD TAPE & REEL AMMO PACK

θJC 83.3 °C/W

12

1.0

625

5.0

1.5

 V_{EBO}

 I_{C}

 P_{D}

 P_D

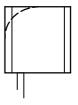
Vdc

Adc

mW

mW/°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.



ORDERING INFORMATION

Device	Package	Shipping [†]
BC618G	TO-92 (Pb-Free)	5000 Units / Bulk
BC618RL1G	TO-92 (Pb-Free)	2000 / 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.

Collector Current - Continuous

Derate above T_A = 25°C

Derate above T_A = 25°C

Total Power Dissipation @ $T_A = 25^{\circ}C$

Total Power Dissipation @ $T_A = 25^{\circ}C$

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

BC618

ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}C$ unless otherwise noted)

Characteristic	Symbol	Min	Тур	Max	Unit
OFF CHARACTERISTICS					
Collector – Emitter Breakdown Voltage (I _C = 10 mAdc, V _{BE} = 0)	V _(BR) CEO	55	-	-	Vdc
Collector – Base Breakdown Voltage $(I_C = 100 \mu Adc, I_E = 0)$	V _(BR) CBO	80	-	-	Vdc
Emitter – Base Breakdown Voltage ($I_E = 10 \mu Adc, I_C = 0$)	V _{(BR)EBO}	12	_	-	Vdc

= 10 -

BC618

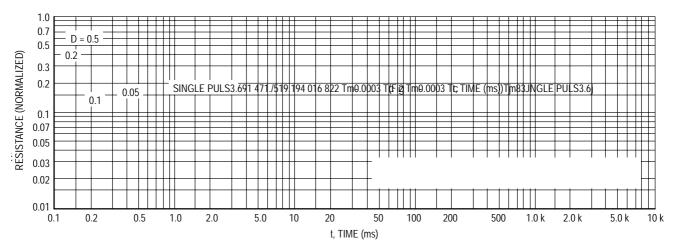


Figure 12. Thermal Response

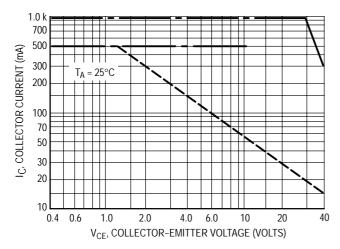


Figure 13. Active Region Safe Operating Area

BC618

PACKAGE DIMENSIONS

TO-92 (TO-226) CASE 29-11