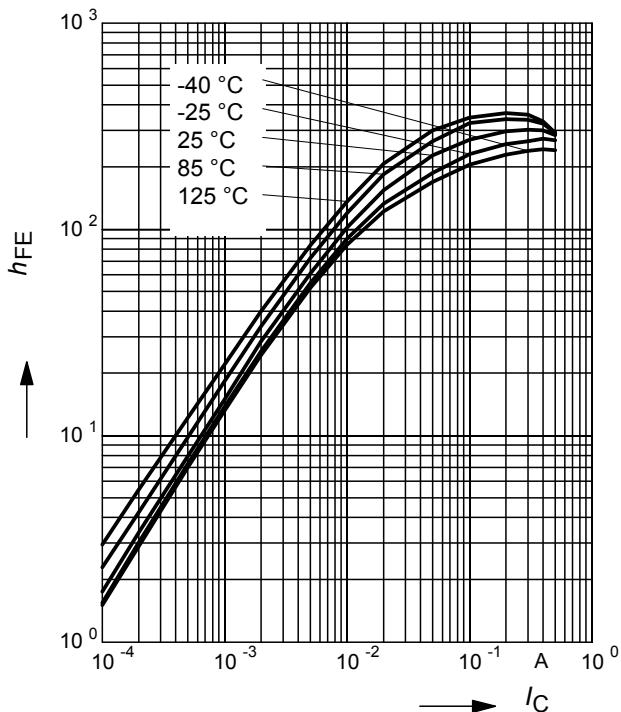
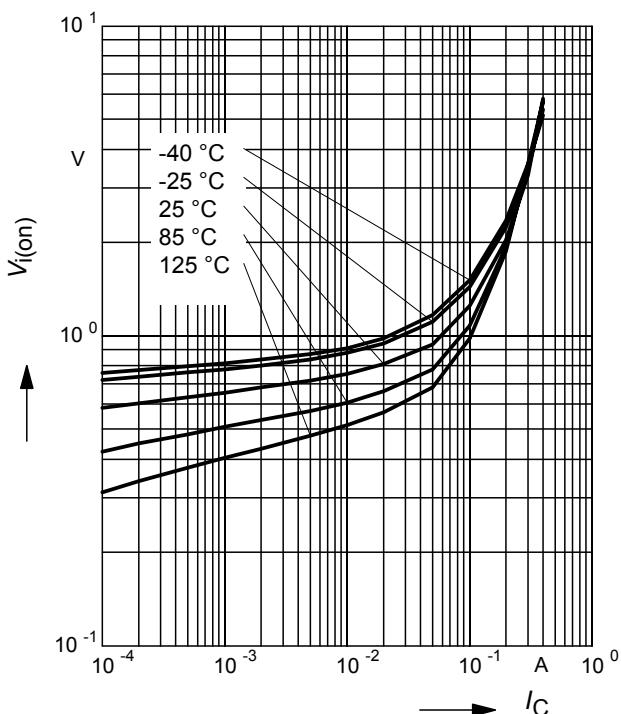


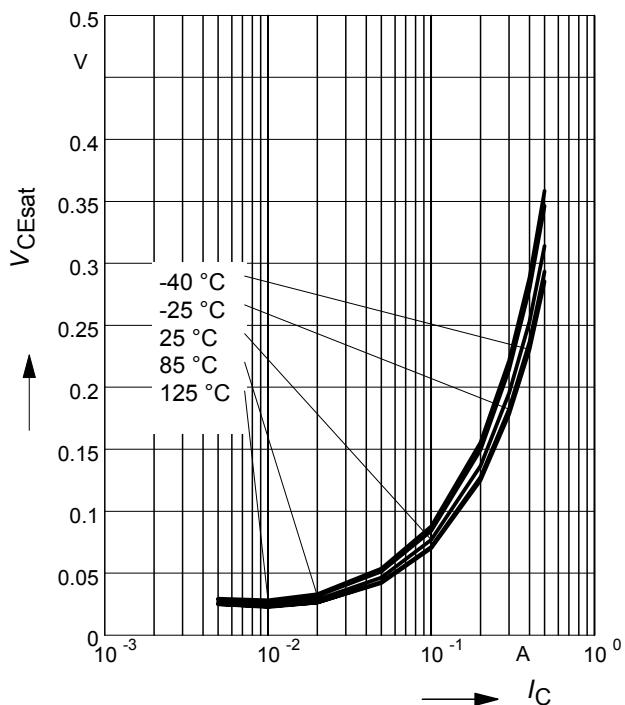
DC current gain $h_{FE} = f(I_C)$
 $V_{CE} = 5 \text{ V}$ (common emitter configuration)



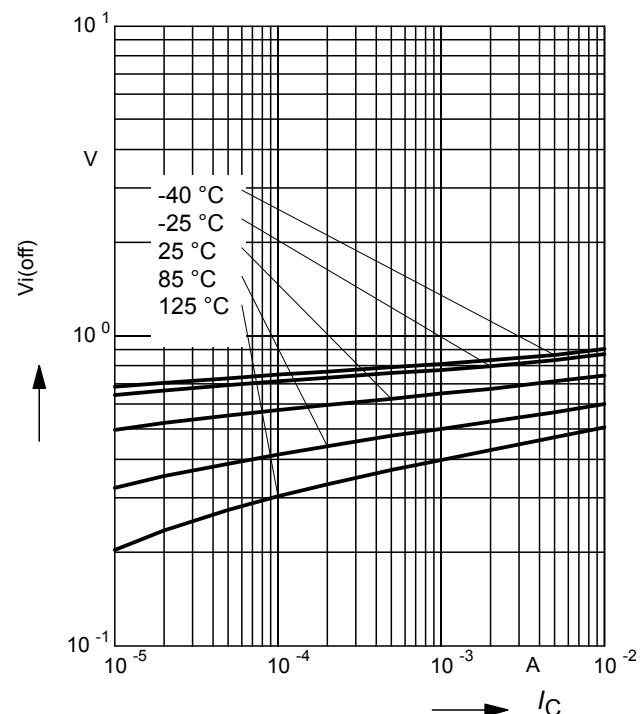
Input on Voltage $V_{i(on)} = f(I_C)$
 $V_{CE} = 0.3 \text{ V}$ (common emitter configuration)



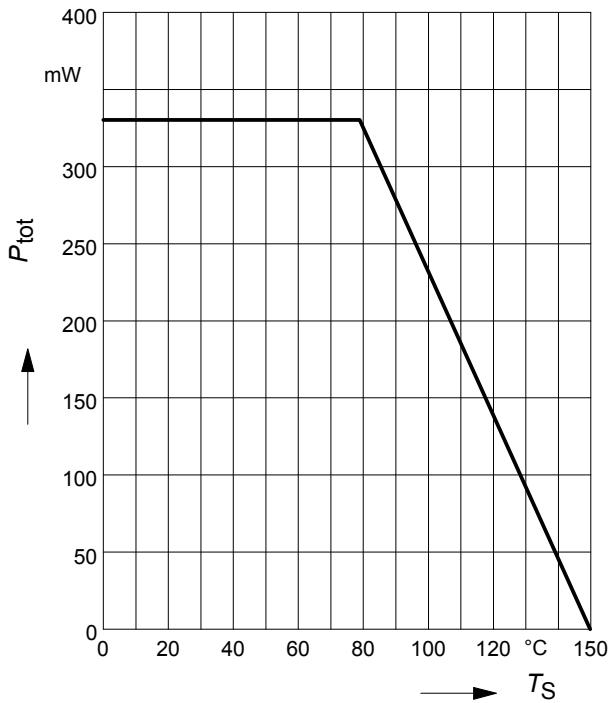
Collector-emitter saturation voltage
 $V_{CEsat} = f(I_C)$, $h_{FE} = 20$



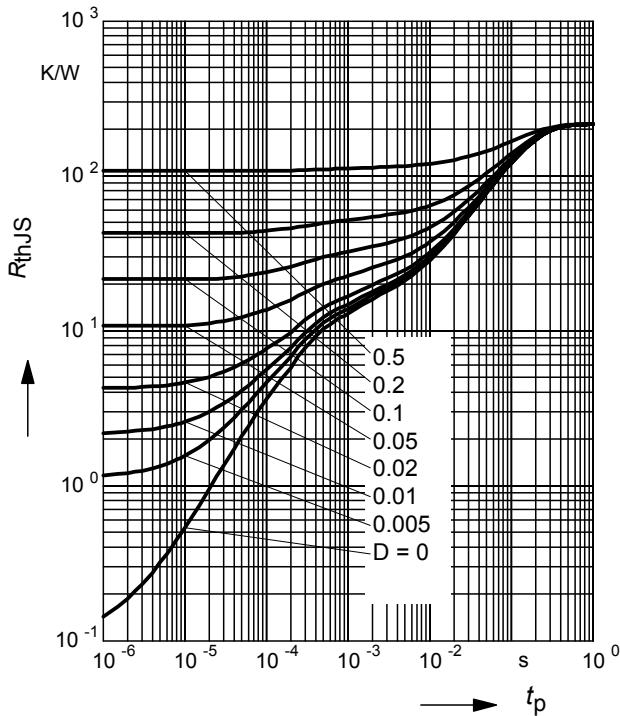
Input off voltage $V_{i(off)} = f(I_C)$
 $V_{CE} = 5 \text{ V}$ (common emitter configuration)



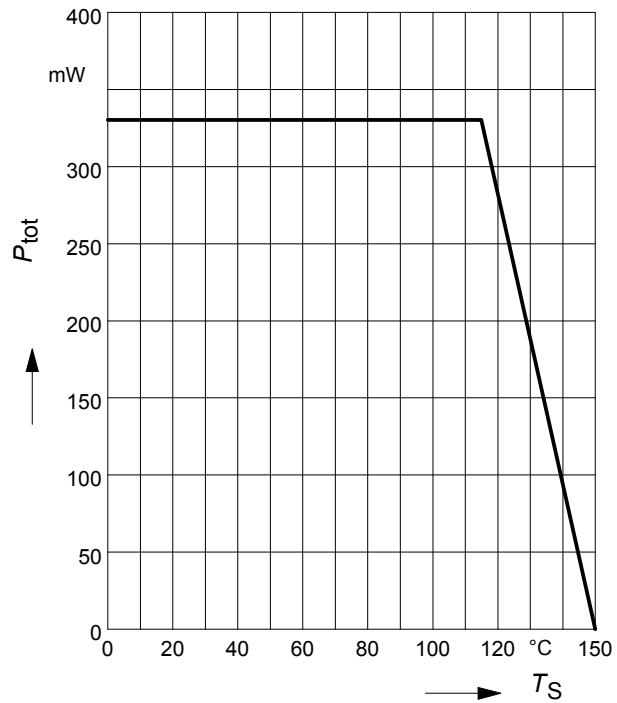
Total power dissipation $P_{\text{tot}} = f(T_S)$
BCR523



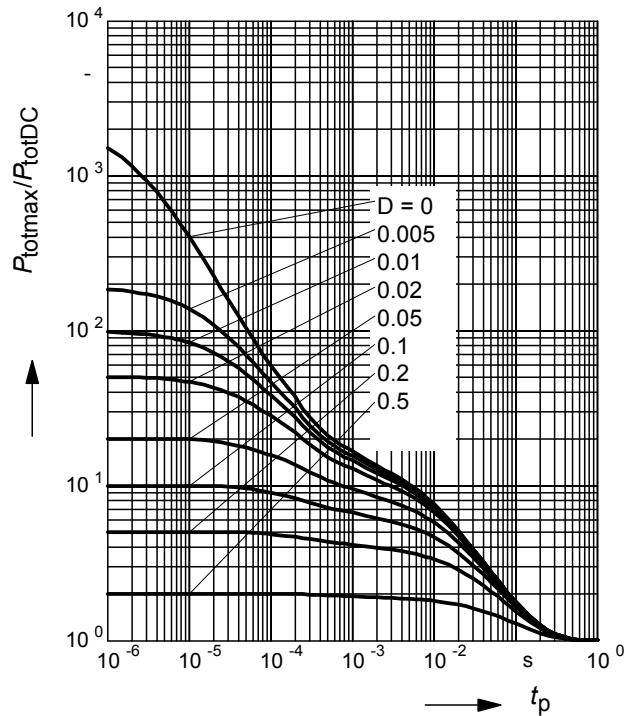
Permissible Pulse Load $R_{\text{thJS}} = f(t_p)$
BCR523



Total power dissipation $P_{\text{tot}} = f(T_S)$
BCR523U

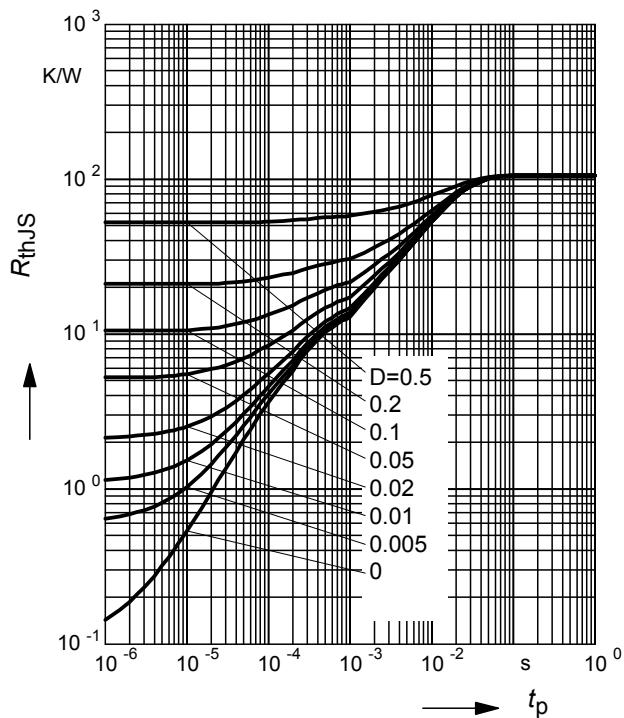


Permissible Pulse Load
 $P_{\text{totmax}}/P_{\text{totDC}} = f(t_p)$
BCR523



Permissible Puls Load $R_{\text{thJS}} = f(t_p)$

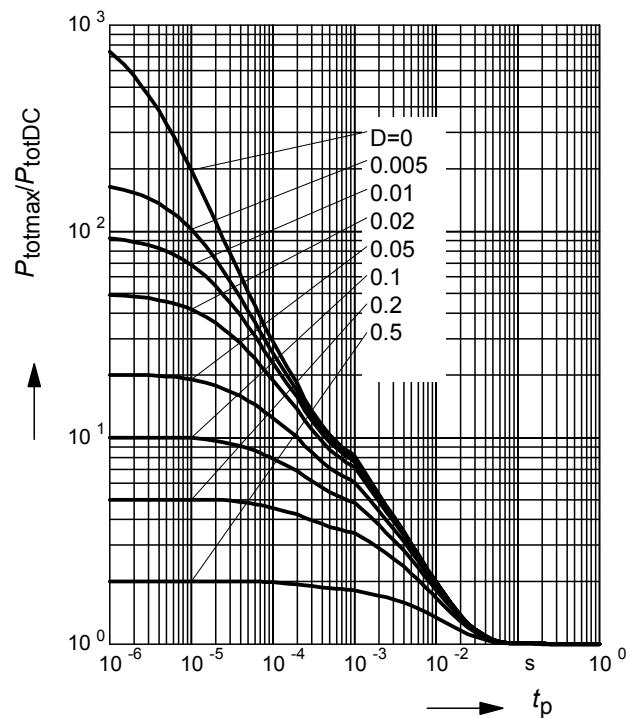
BCR523U



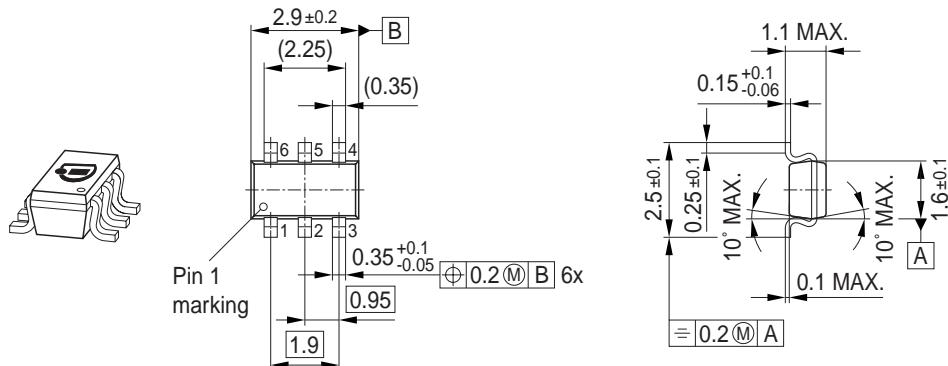
Permissible Pulse Load

$P_{\text{totmax}}/P_{\text{totDC}} = f(t_p)$

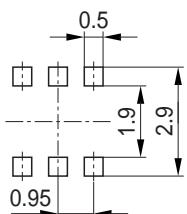
BCR523U



Package Outline

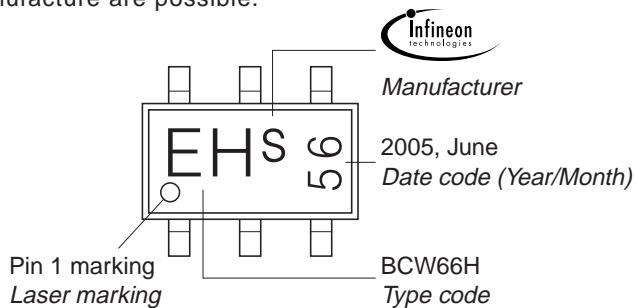


Foot Print



Marking Layout (Example)

Small variations in positioning of Date code, Type code and Manufacture are possible.

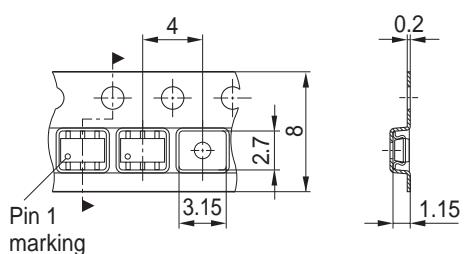


Standard Packing

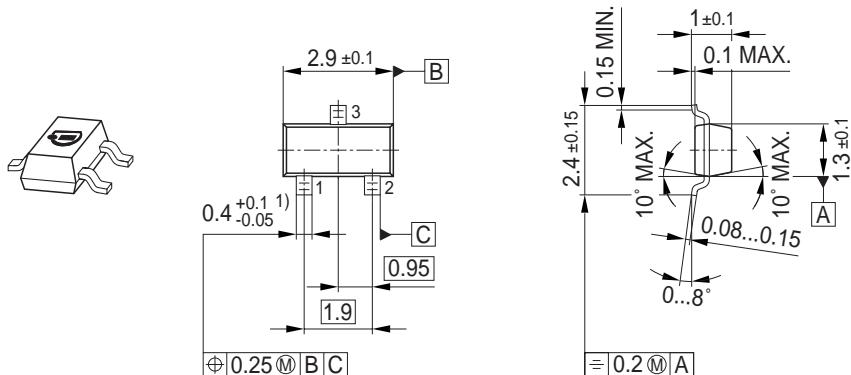
Reel ø180 mm = 3.000 Pieces/Reel

Reel ø330 mm = 10.000 Pieces/Reel

For symmetric types no defined Pin 1 orientation in reel.

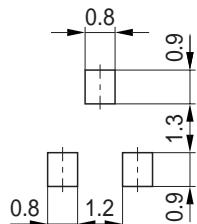


Package Outline

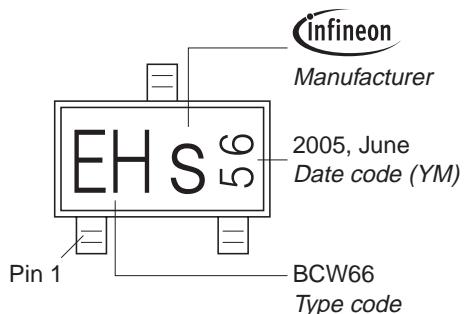


1) Lead width can be 0.6 max. in dambar area

Foot Print

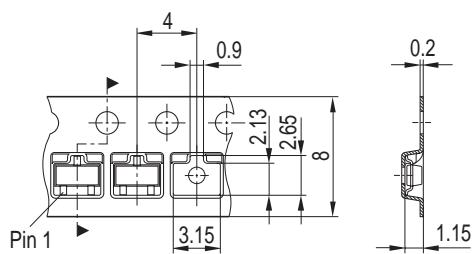


Marking Layout (Example)



Standard Packing

Reel ø180 mm = 3.000 Pieces/Reel
Reel ø330 mm = 10.000 Pieces/Reel



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