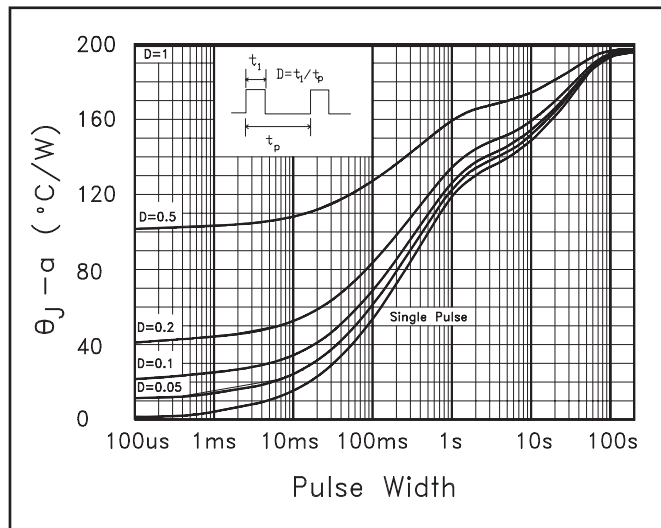


# SOT23 Thermal Resistance and Derating Information

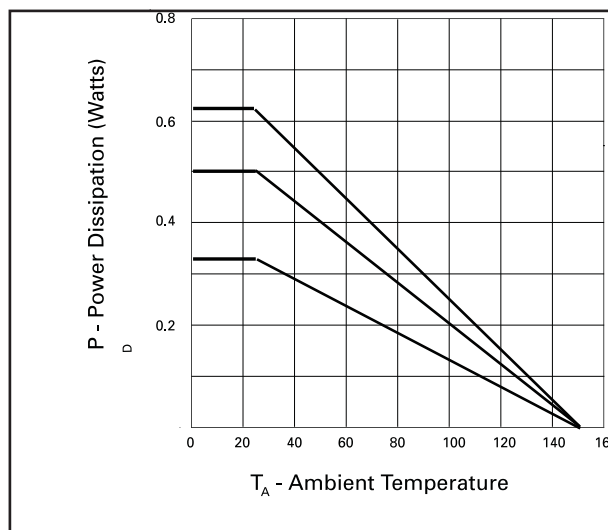
## SOT23 625mW devices



$\theta_{j-c}=100^{\circ}\text{C/W}$  Typical  
 $\theta_{j-a}=190^{\circ}\text{C/W}$  Typical  
 $=200^{\circ}\text{C/W}$  Maximum

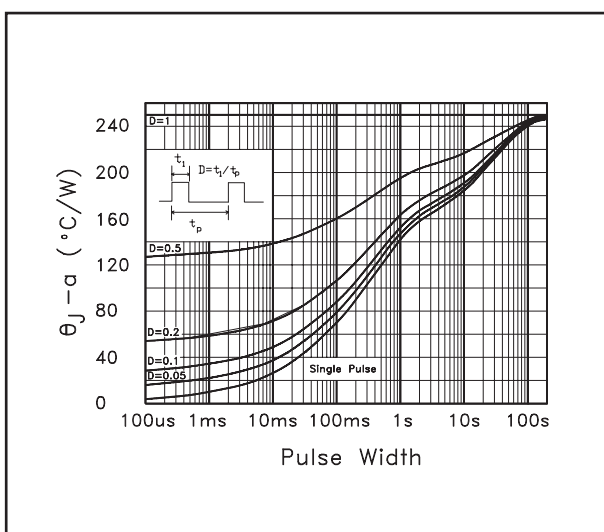
Mounted on a 15 x 15 x 0.6 mm  
 alumina substrate connected using  
 25mm x 0.5mm dia copper wire

## SOT23 (625mW and 500mW) Derating



\*330mW shown for reference only

## SOT23 500mW devices



$\theta_{j-c}=110^{\circ}\text{C/W}$  Typical  
 $\theta_{j-a}=200^{\circ}\text{C/W}$  Typical  
 $=250^{\circ}\text{C/W}$  Maximum

Mounted on a 15 x 15 x 0.6 mm  
 alumina substrate connected using  
 25mm x 0.5mm dia copper wire