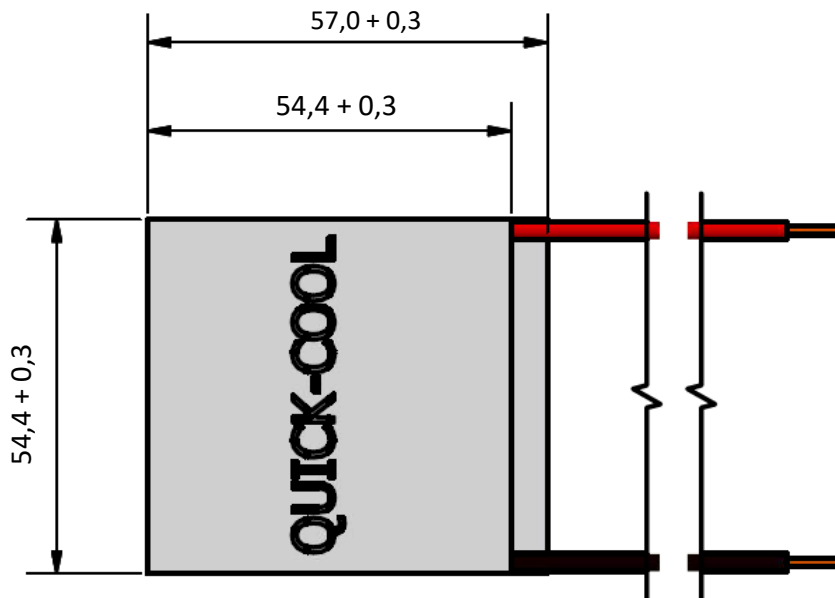
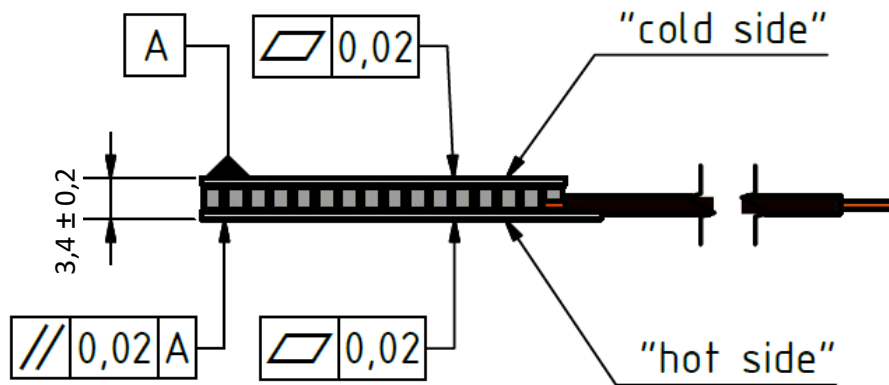


## QC-450-0.8-3.0 X<sub>1</sub>X<sub>2</sub>

|                            |         |  |
|----------------------------|---------|--|
| I <sub>max</sub> (amp)     | 3,3 A   | ΔT = ΔT <sub>max</sub> ; Th = 25°C ± 0.5 K         |
| U <sub>max</sub> (volt)    | 51,1 V  | ΔT = ΔT <sub>max</sub> ; Th = 25°C ± 0.5 K         |
| ΔT <sub>max</sub> (kelvin) | -71 K   | I = I <sub>max</sub> ; Th = 25°C ± 0.5 K; Q = 0 W  |
| Q <sub>max</sub> (watt)    | 99,2 W  | I = I <sub>max</sub> ; Th = 25°C ± 0.5 K; ΔT = 0 K |
| AC resistance (ohm)        | 14,11 Ω | 25°C ± 0.5 K                                       |

Environment: dry air, N<sub>2</sub>  
 tolerances for thermal and electrical parameters ± 10%  
 dimensions in millimeters



|  |   |
|--|---|
| OPTIONS: X1=A                            | T <sub>max</sub> =100°C                               |
| X1=M                                     | T <sub>max</sub> =200°C; high cycle resistance        |
| X1=MM                                    | T <sub>max</sub> =200°C; double high cycle resistance |
| X2=none                                  | not sealed  |
| X2=S                                     | silicone sealed                                       |
| X2=X                                     | epoxy sealed  |
| other specials: please contact Quick-Ohm |   |

cold side and hot side ceramics: Al<sub>2</sub>O<sub>3</sub>, white 96%  
 RoHS 2002/95/EC compliant

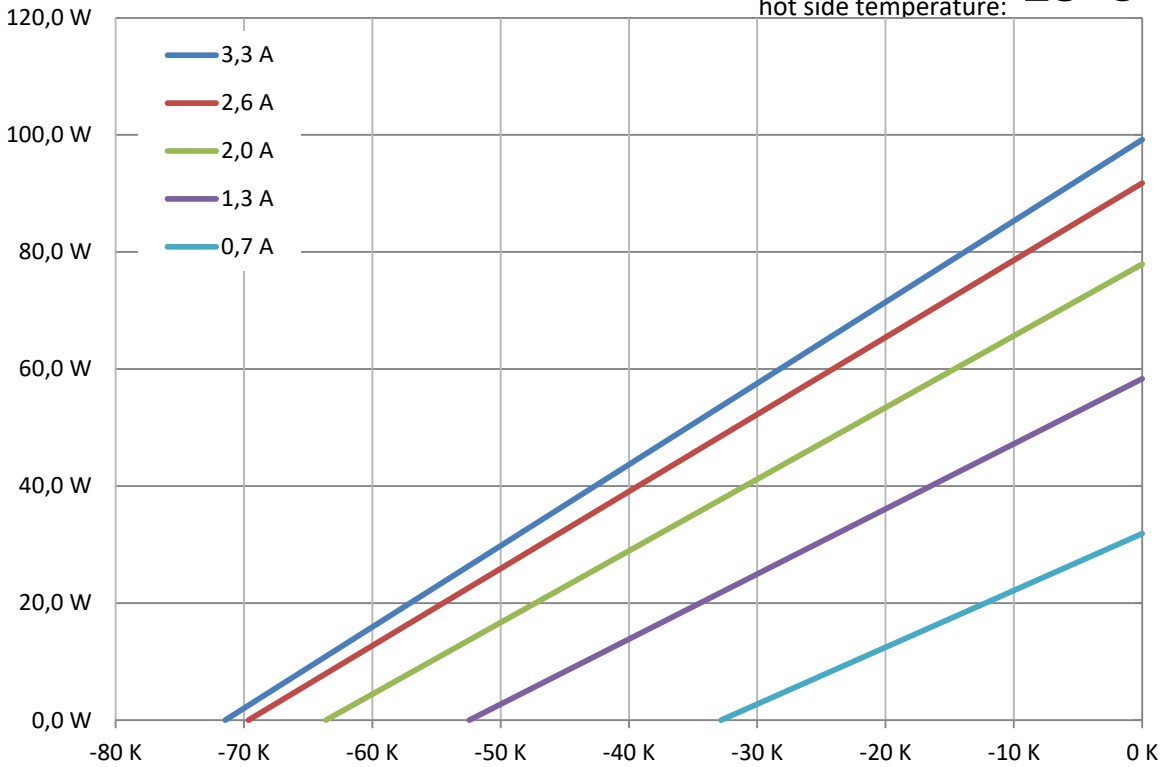
# QC-450-0.8-3.0

$T_{hot}$ :

25°C

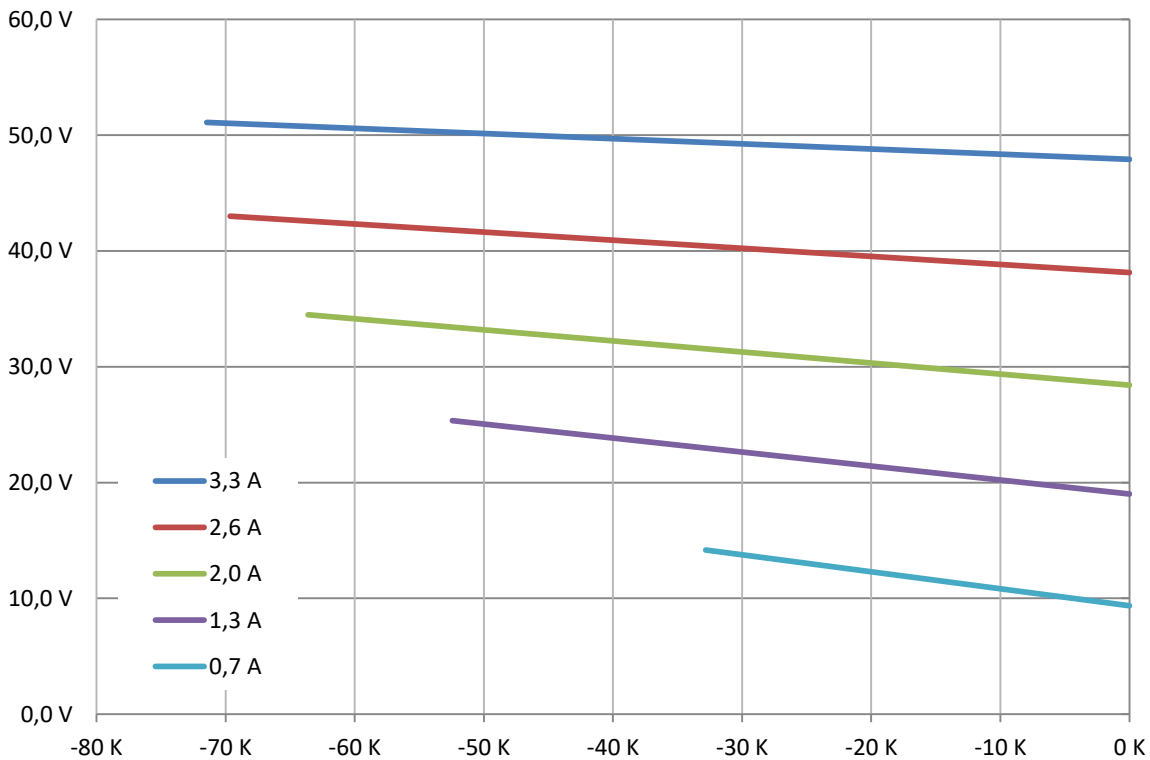
cooling power  
↑

hot side temperature:



←  $\Delta T = T_{cold} - T_{hot}$

↑ module voltage



$R_{th} = 1,35 \text{ K/W}$

←  $\Delta T = T_{cold} - T_{hot}$

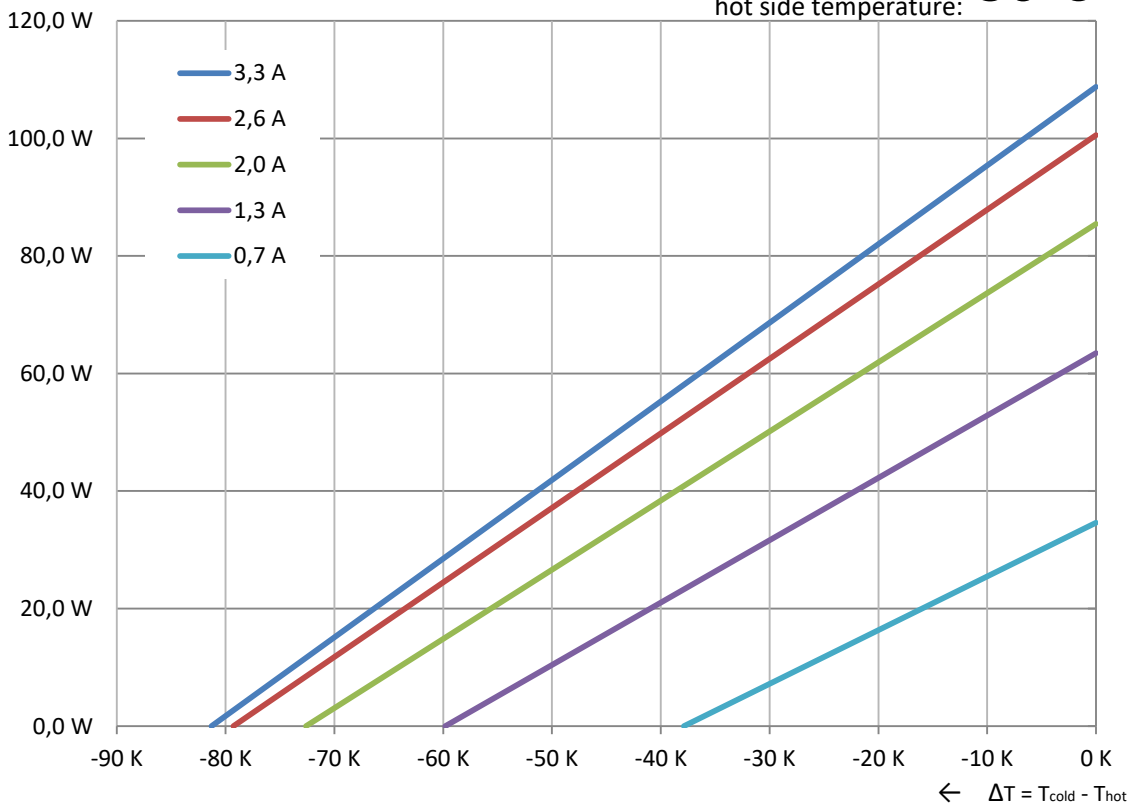
# QC-450-0.8-3.0

$T_{hot}$ :

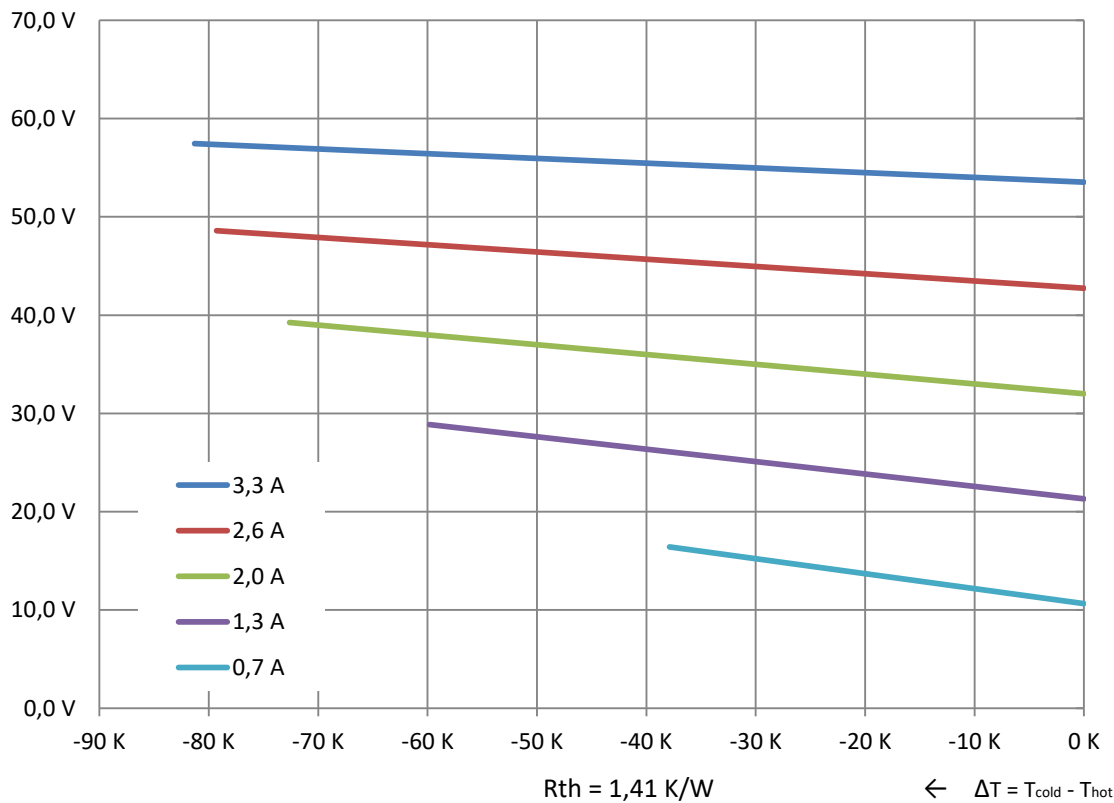
50°C

cooling power  
↑

hot side temperature:



module voltage



$R_{th} = 1,41 \text{ K/W}$