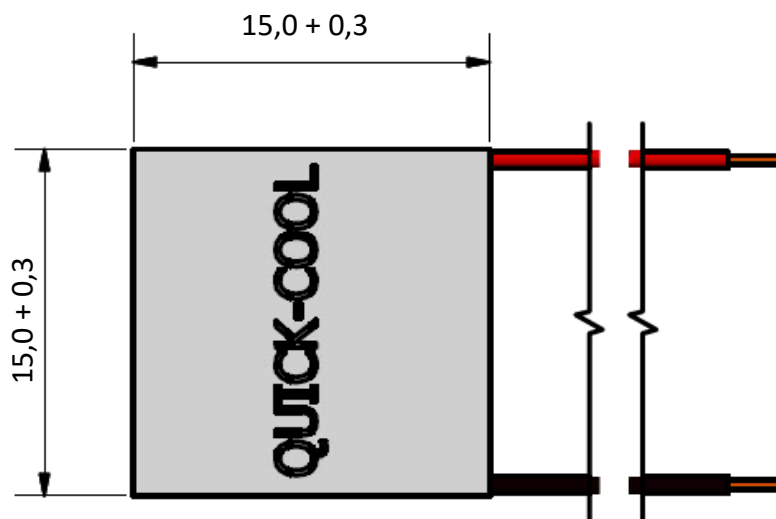
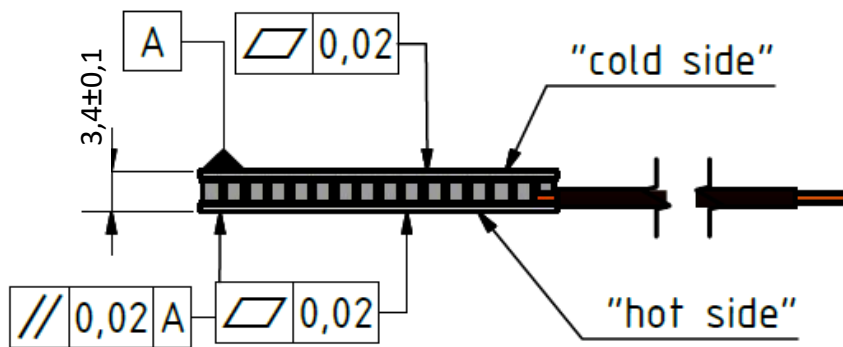


QC-31-1.0-2.5 A₁X₂

| | | |
|----------------------------|--------|--|
| I _{max} (amps) | 2,8 A | ΔT = ΔT _{max} ; Th = 25°C ± 0.5 K |
| U _{max} (volt) | 3,5 V | ΔT = ΔT _{max} ; Th = 25°C ± 0.5 K |
| ΔT _{max} (kelvin) | -72°K | I = I _{max} ; Th = 25°C ± 0.5 K; Q = 0 W |
| Q _{max} (watts) | 5,82 W | I = I _{max} ; Th = 25°C ± 0.5 K; ΔT = 0 K |
| AC resistance (ohms) | 1,2 Ω | 25°C ± 0.5 K |

Environment: dry air, N₂
 tolerances for thermal and electrical parameters ± 10%
 dimensions in millimeters



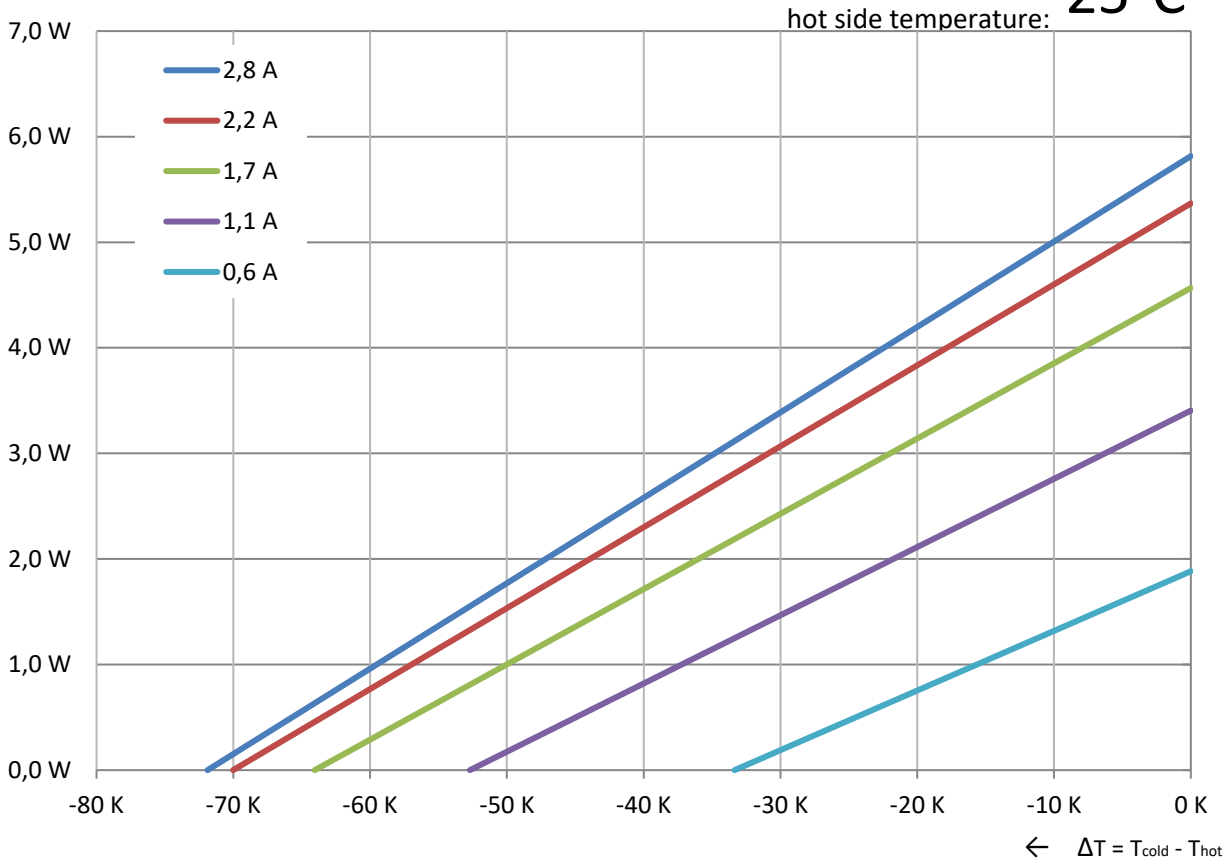
| | |
|--|---|
| OPTIONS: X1=A | T _{max} =100°C |
| X1=M | T _{max} =200°C; high cycle resistance |
| X1=MM | T _{max} =200°C; double high cycle resistance |
| X2=none | none sealing |
| X2=S | silicone sealing |
| X2=X | epoxy sealing |
| other specials: please contact Quick-Ohm | |

cold side and hot side ceramics: Al₂O₃, white 96%

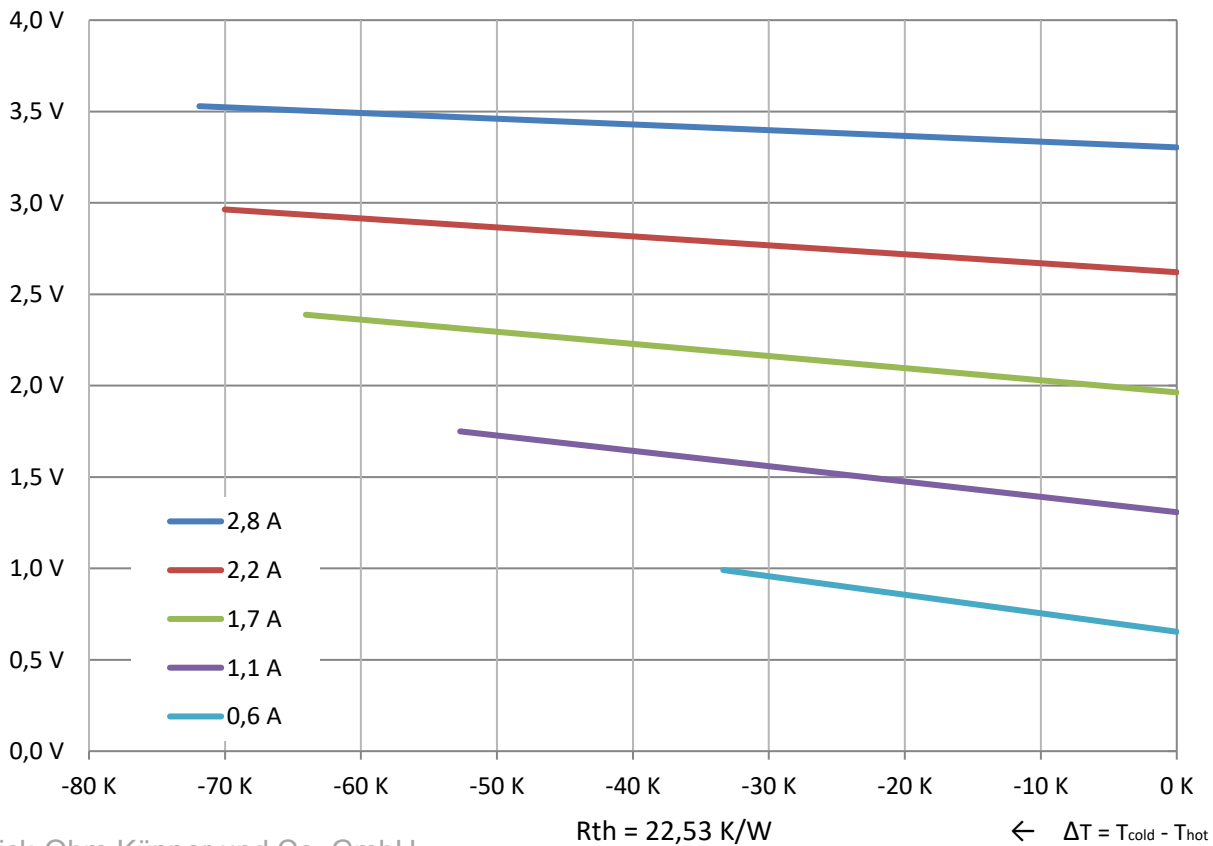
QC-31-1.0-2.5

Thot: **25°C**

↑ cooling power



↑ module voltage

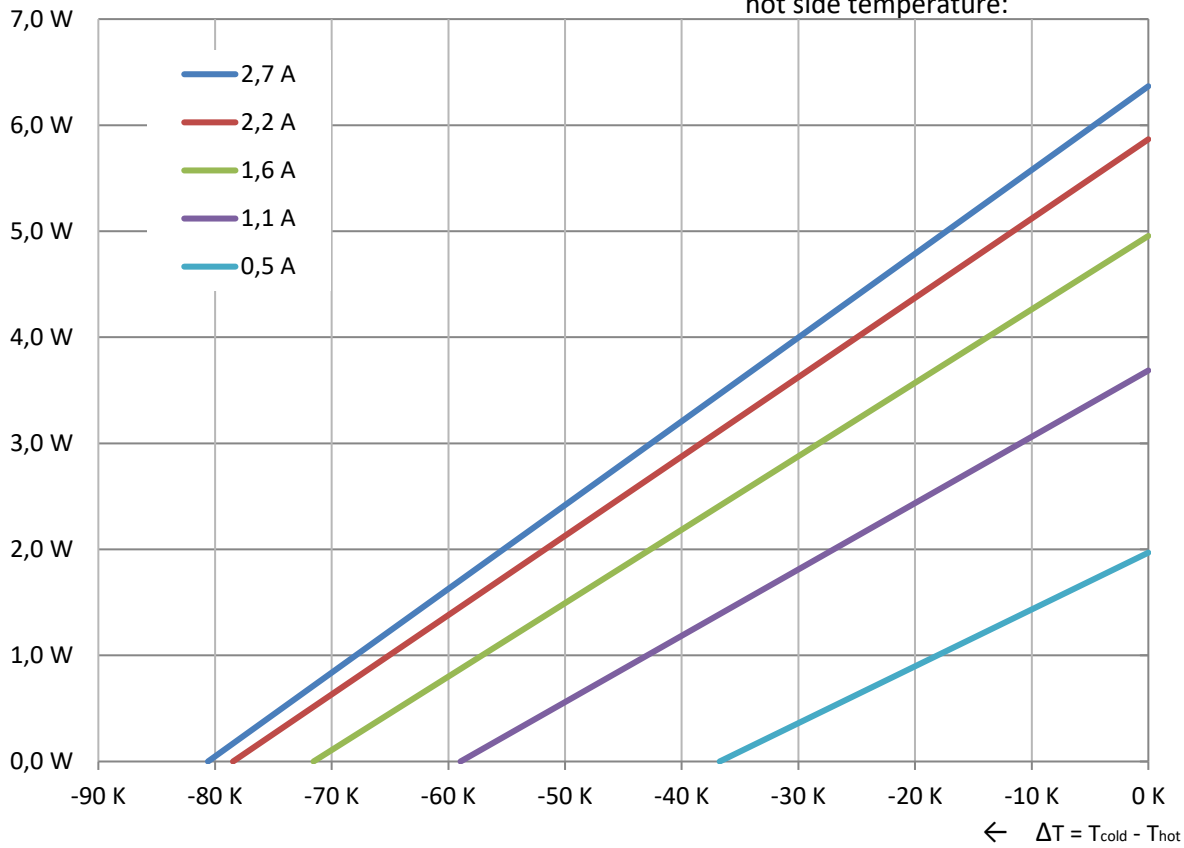


QC-31-1.0-2.5

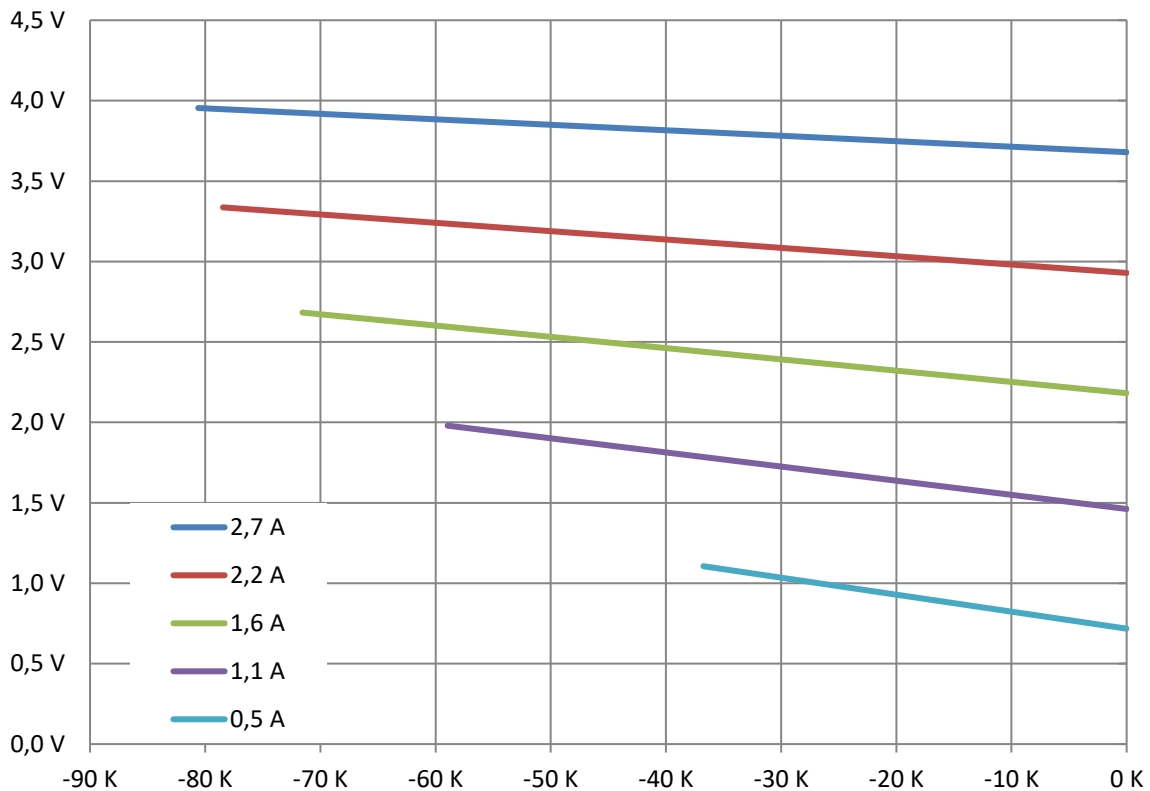
T_{hot} :
50°C

cooling power
↑

hot side temperature:



module voltage



$R_{th} = 23,54 \text{ K/W}$

← $\Delta T = T_{cold} - T_{hot}$