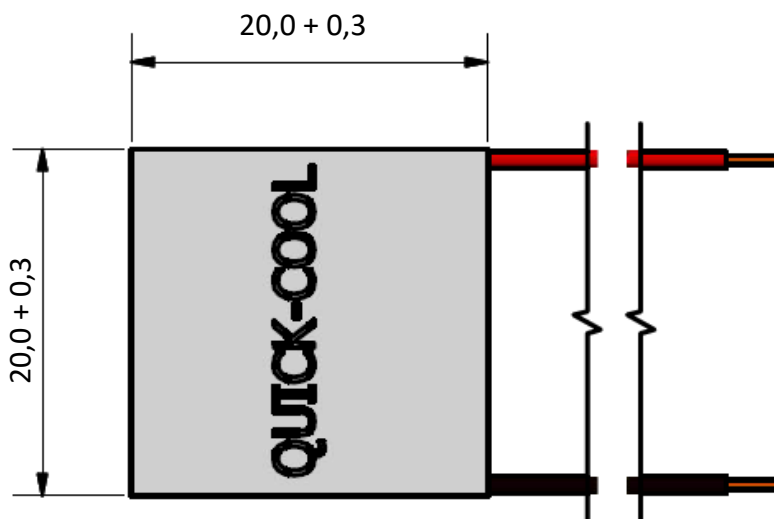
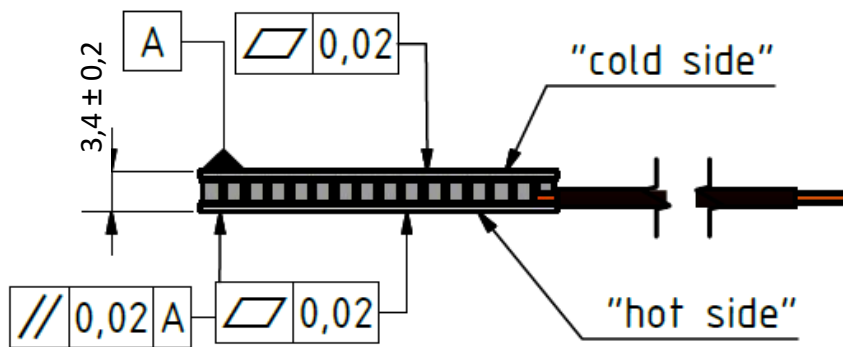


QC-31-1.4-8.5 X₁X₂

I _{max} (amps)	8,7 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)	-71°K	I = I _{max} ; Th = 25°C ± 0.5 K; Q = 0 W
Q _{max} (watts)	17,8 W	I = I _{max} ; Th = 25°C ± 0.5 K; ΔT = 0 K
AC resistance (ohms)	0,4 Ω	25°C ± 0.5 K

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



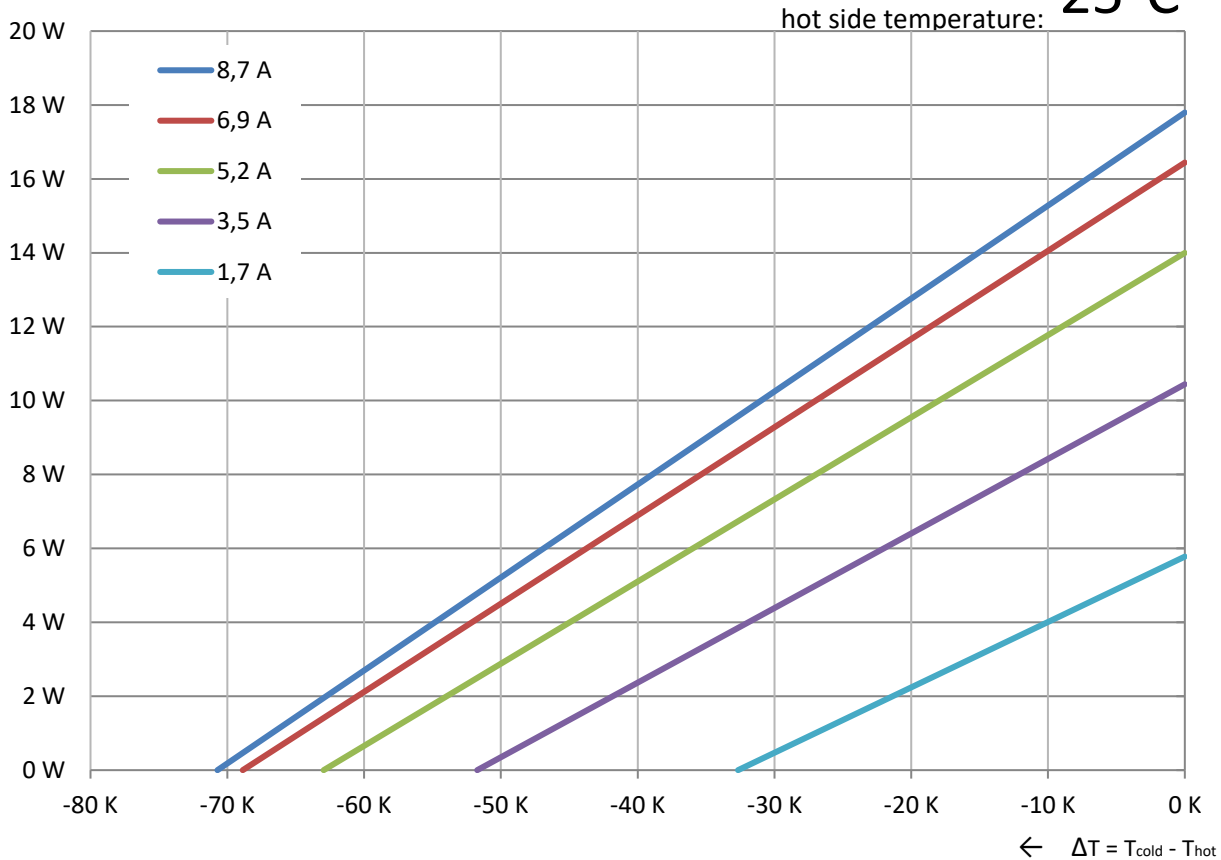
OPTIONS: X1=A	T _{max} =100°C
X1=M	T _{max} =200°C; high cycle resistance
X1=MM	T _{max} =200°C; double high cycle resistance
X2=none	none sealing
X2=S	silicone sealing
X2=X	epoxy sealing
other specials: please contact Quick-Ohm	

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

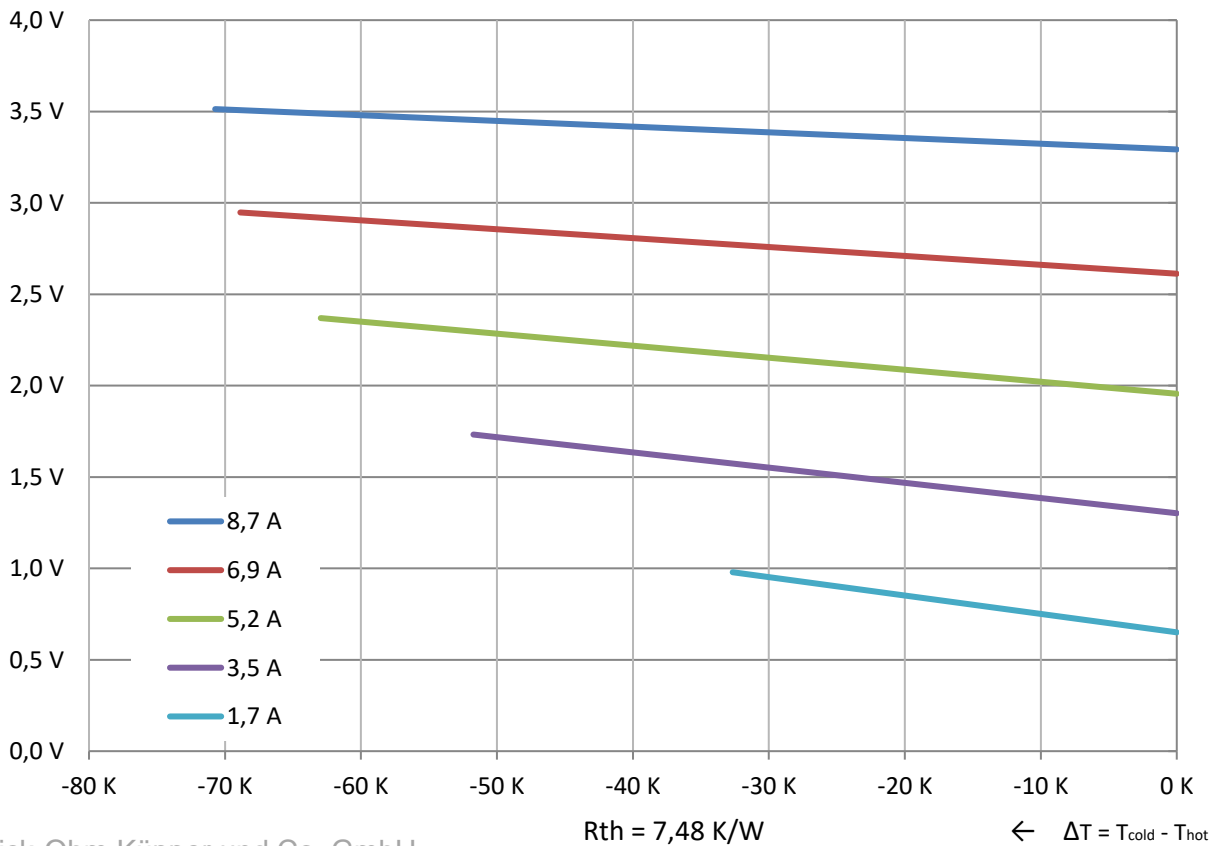
QC-31-1.4-8.5

Thot: **25°C**

cooling power
↑



↑ module voltage



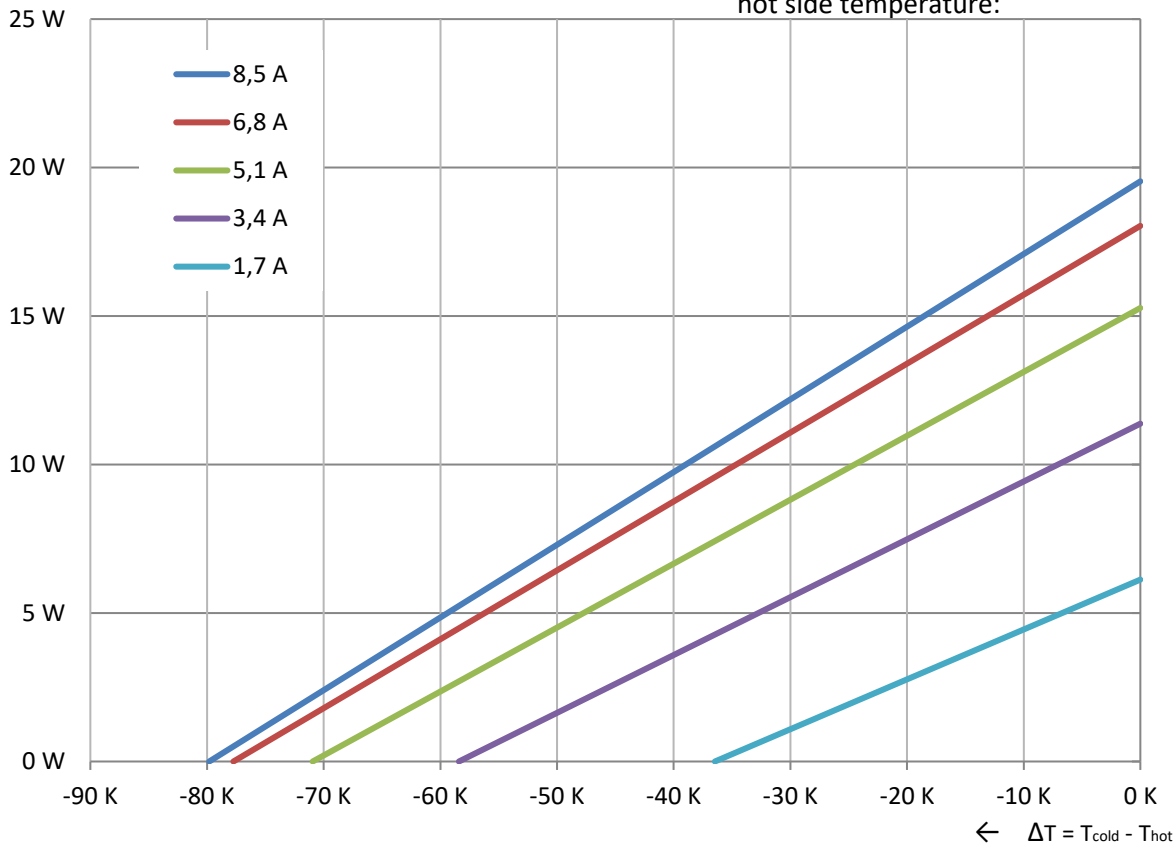
Rth = 7,48 K/W

QC-31-1.4-8.5

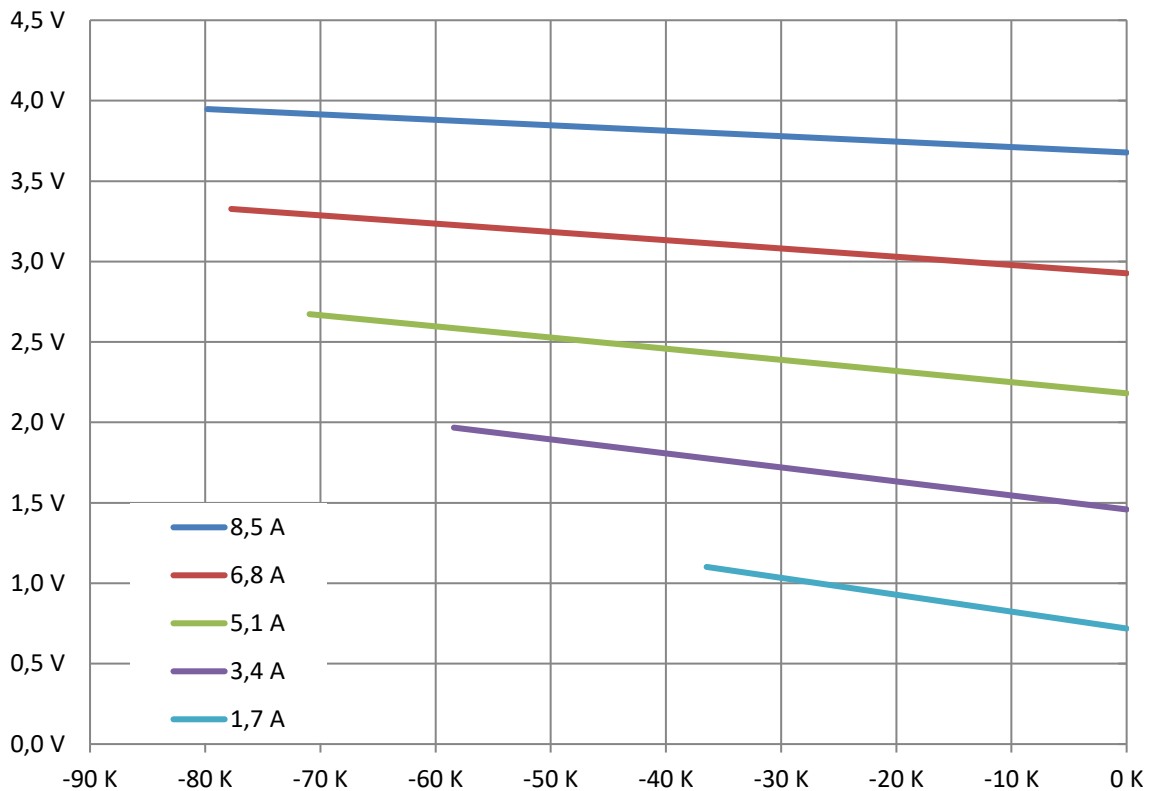
T_{hot} :
50°C

cooling power
↑

hot side temperature:



module voltage



$R_{th} = 7,80 \text{ K/W}$

← $\Delta T = T_{cold} - T_{hot}$