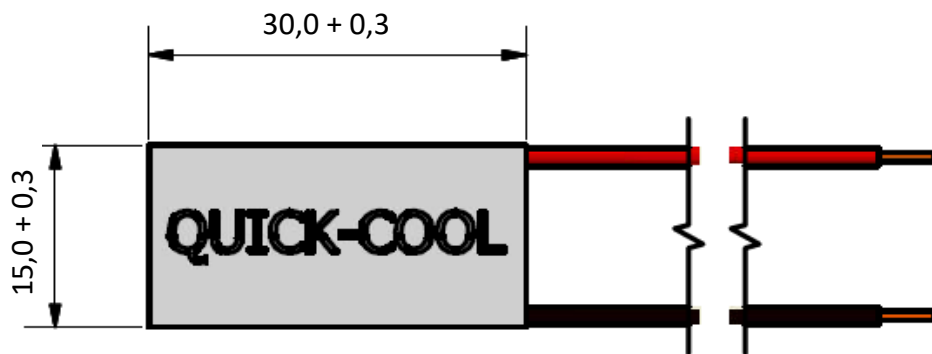
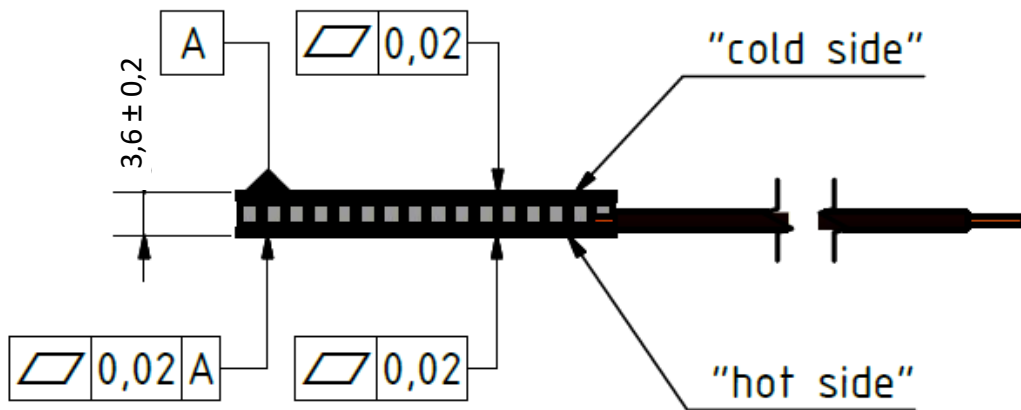


## QC-63-1.0-3.9 X<sub>1</sub>X<sub>2</sub>

I <sub>max</sub> (amps)	4,0 A	ΔT = ΔT <sub>max</sub> ; Th = 25°C ± 0.5 K
U <sub>max</sub> (volt)	6,8 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> (watts)	17,6 W	I = I <sub>max</sub> ; Th = 25°C ± 0.5 K; ΔT = 0 K
AC resistance (ohms)	1,5 Ω	25°C ± 0.5 K

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



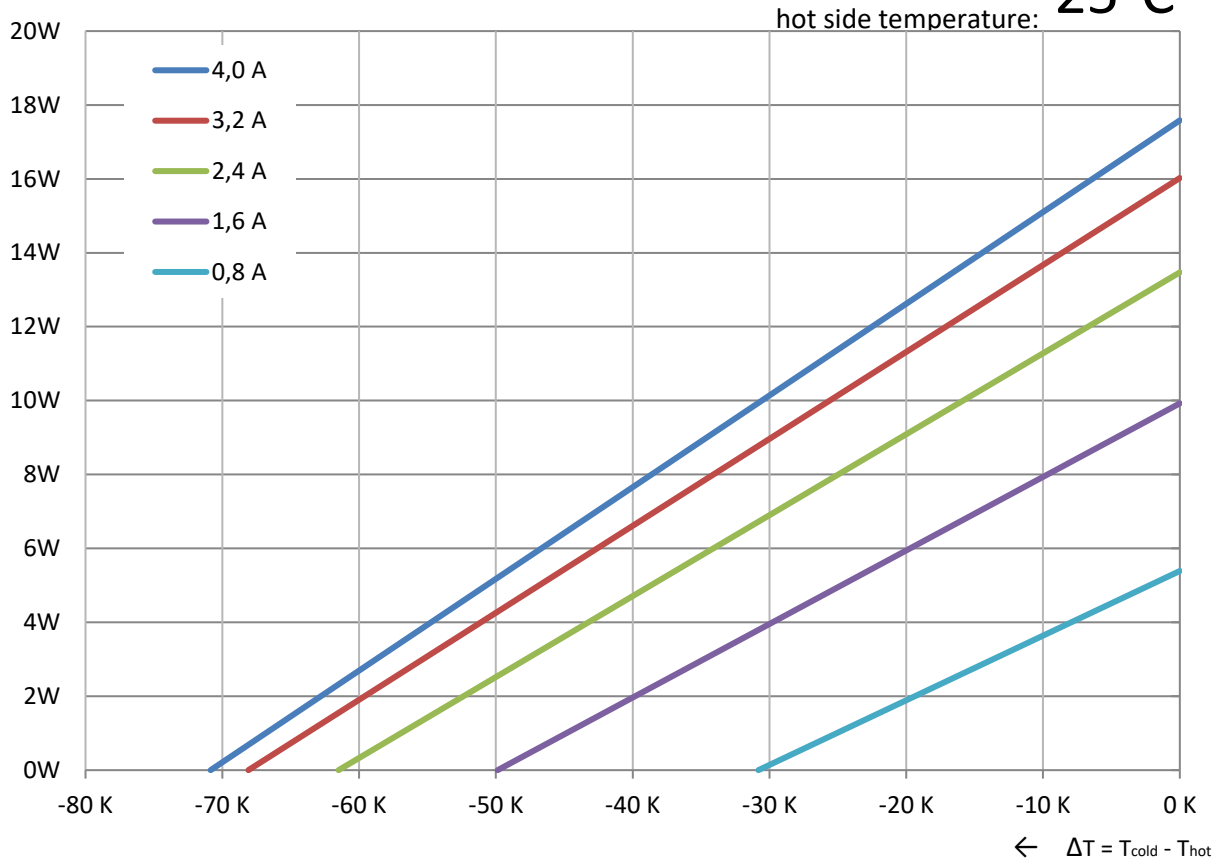
OPTIONS: X1=A	T <sub>max</sub> =100°C
X1=M	T <sub>max</sub> =200°C; high cycle resistance
X1=MM	T <sub>max</sub> =200°C; double high cycle resistance
X2=none	none sealing
X2=S	silicone sealing
X2=X	epoxy sealing
other specials: please contact Quick-Ohm	

**cold side and hot side ceramics: Al<sub>2</sub>O<sub>3</sub>, white 96%**

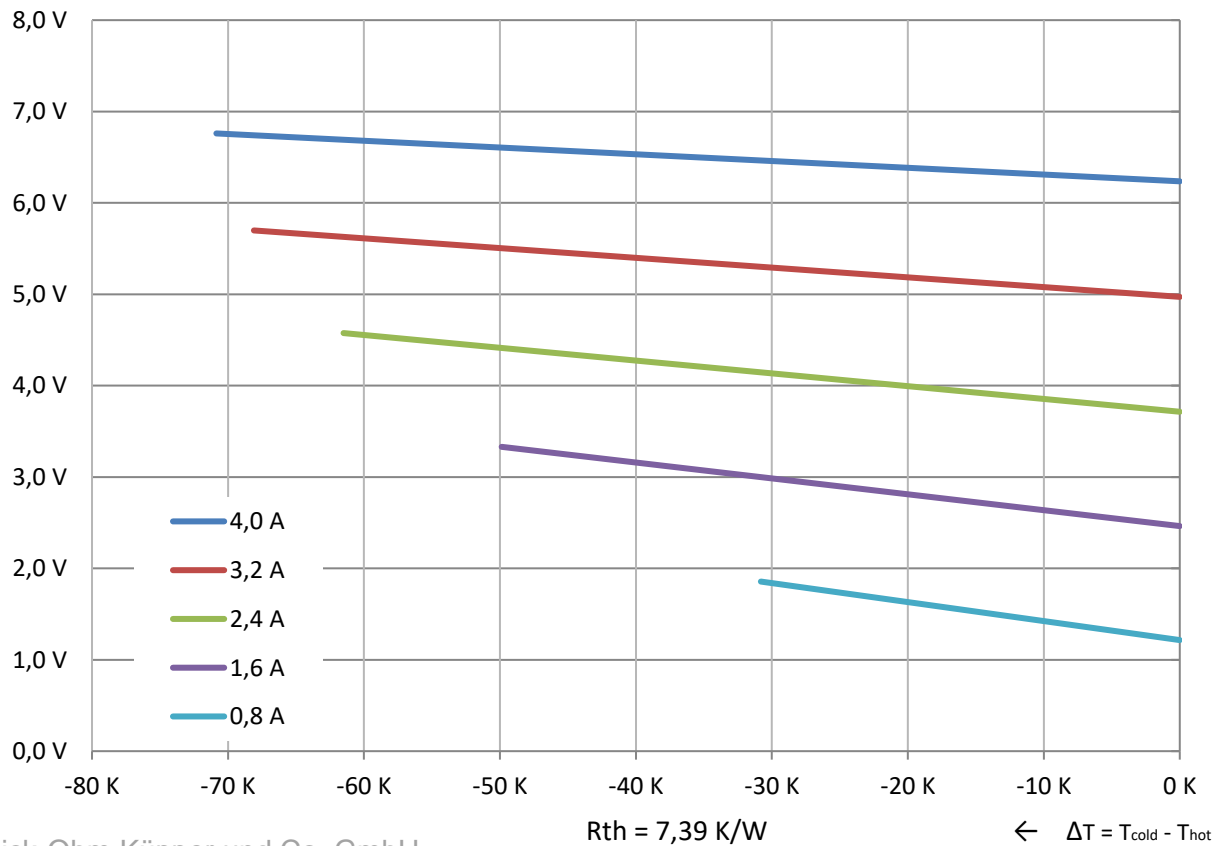
# QC-63-1.0-3.9

Hot side temperature: **25°C**

↑ cooling power



↑ module voltage



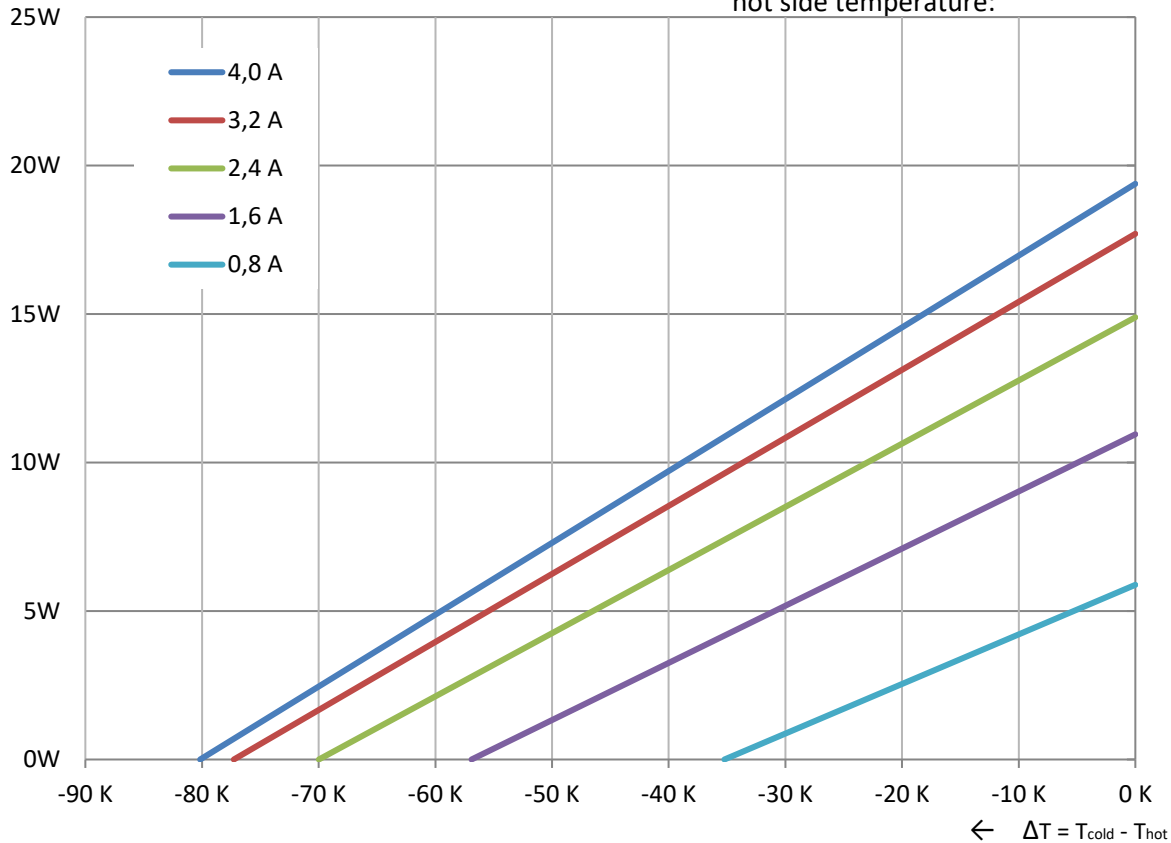
$R_{\text{th}} = 7,39 \text{ K/W}$

# QC-63-1.0-3.9

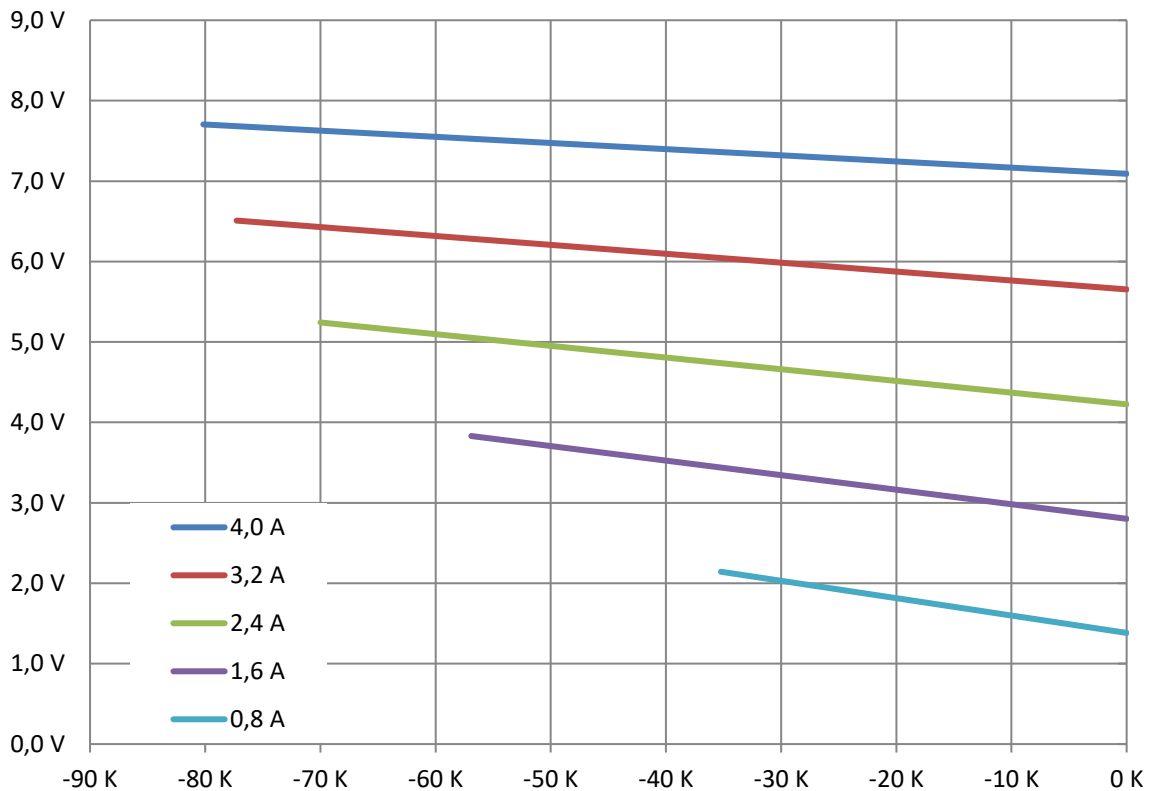
Hot:  
**50°C**

cooling power  
↑

hot side temperature:



module voltage



$R_{\text{th}} = 7,70 \text{ K/W}$

←  $\Delta T = T_{\text{cold}} - T_{\text{hot}}$