

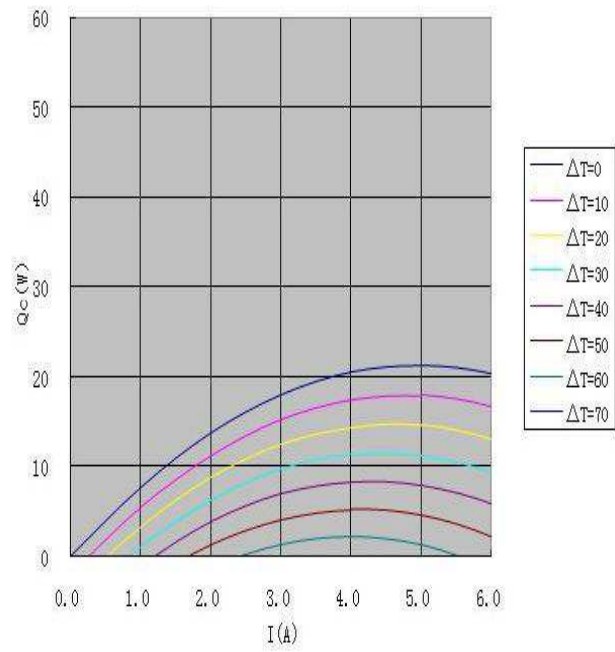
Roßmann Electronic GmbH

PRODUCT SPECIFICATION OF THERMOELECTRIC COOLING MODULE

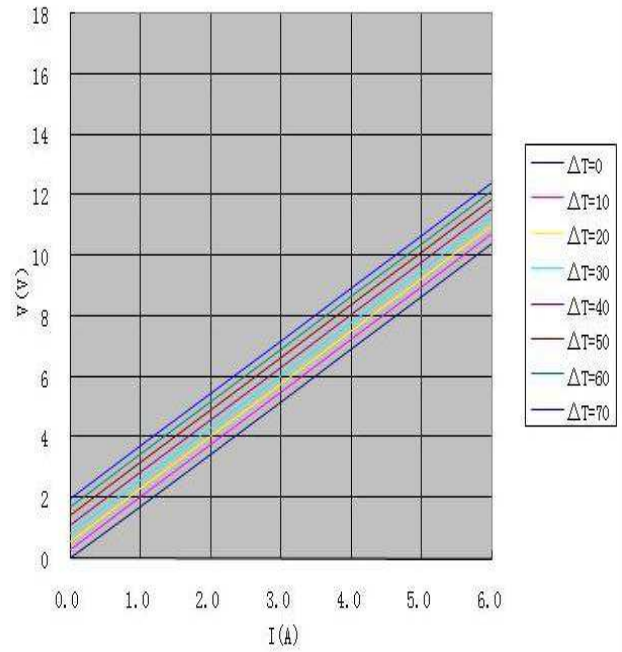
PART NO.: RO3.9-18.7

PRODUCT SPEC.	DATA
Values calculated at 30°C	
no. of couples	71
$\Delta T_{\max}$ (°C)	64
$Q_{\max}$ (W)	18,7
$I_{\max}$ (A)	3,9
$V_{\max}$ (VDC)	8,6
AC resistance (room temp. 25°C) (ohm)	1.7-1.9
width and tolerance (mm)	30±0.1
length and tolerance (mm)	30±0.1
thickness and tolerance (mm)	4.55±0.15
flatness and tolerance (mm)	≤0.08
parallelization and tolerance (mm)	≤0.08
melting point(°C)	138
RTV sealing	NO
printing (cold side)	NO
Certification	RoHS APPROVED
spec.of wire	1. 20AWG, UL listed, 105°C, PVC insulated. 2.length of red wire: 150±5mm. 3.length of black wire: 150±5 mm. 4.tinned at the end: 8±1mm.
Acceptable Quality Level (AQL) Checking Level Check points IQC Acceptable Quality Level (AQL) Checking Level Check points	normal (1.5) General Check Level II sizes and product spec. normal (1.5) General Check Level II resistance parallelization and tolerance

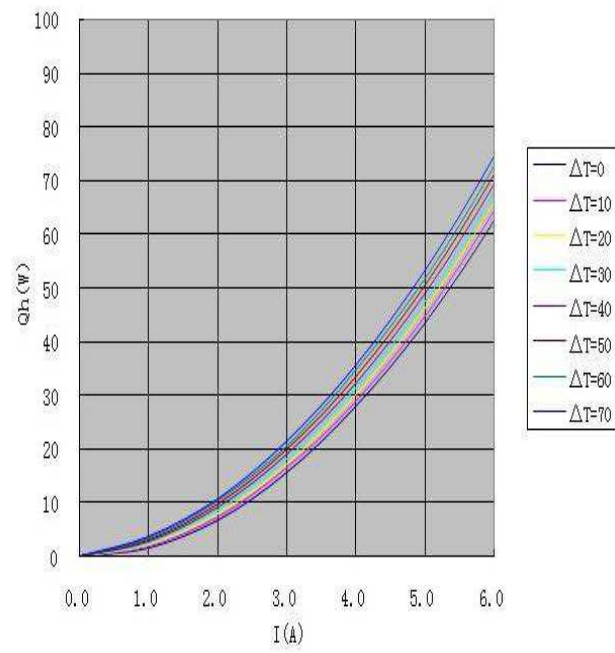
Q_c vs. I



V vs. I



Q_h vs. I



COP vs. I

