

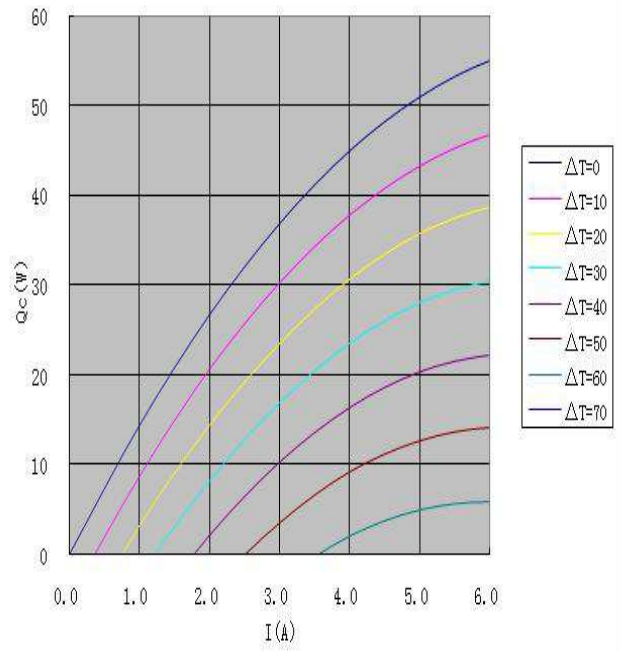
# Roßmann Electronic GmbH

## PRODUCT SPECIFICATION OF THERMOELECTRIC COOLING MODULE

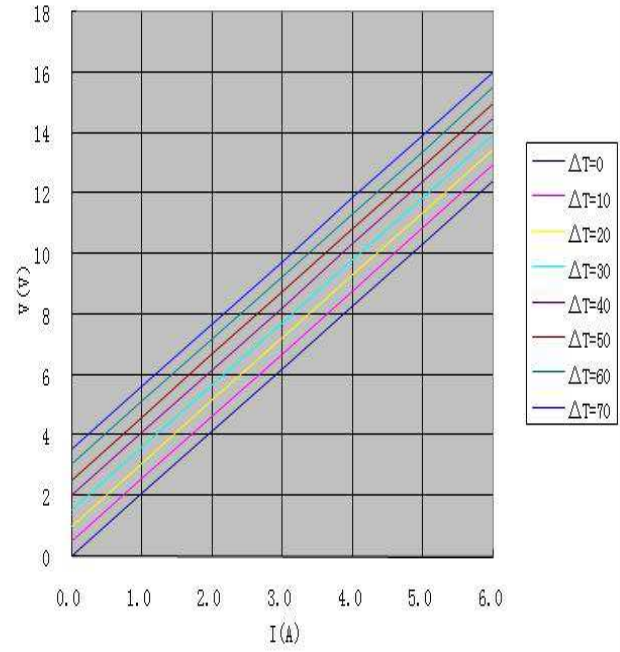
### MODEL: RO6.0-51.4 (TEC1-12706)

PRODUCT SPEC.	DATA
Temp. of Hot Surface(°C)	30
$\Delta T_{max}$ (°C)	$\geq 65$
Q <sub>max</sub> (W)	$\geq 51$
I <sub>max</sub> (A)	6
V <sub>max</sub> (VDC)	15,4
AC resistance (room temp.: 25°C) (ohm)	2.07±0.1
width and tolerance (mm)	40±0.5
length and tolerance (mm)	40±0.5
thickness and tolerance (mm)	3.7±0.1
flatness and tolerance (mm)	$\leq 0.05$
parallelization and tolerance (mm)	$\leq 0.05$
Solder(°C)	138
RTV sealing	Yes
maximum vertical static pressure (kg/cm <sup>2</sup> )	10.8(=150psi)
printing (hot surface)	<u>TEC1-12706</u> BC yyyyymm
Certification	Directive 2002/95/EC (RoHS) 2005/618/EC
spec. of wire	1. 20AWG, UL listed, 105°C, PVC insulated. 2.length of red wire: 350±5mm。 3.length of black wire: 350±5 mm。 4.PVC insulation taken but adhered at end wire : 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

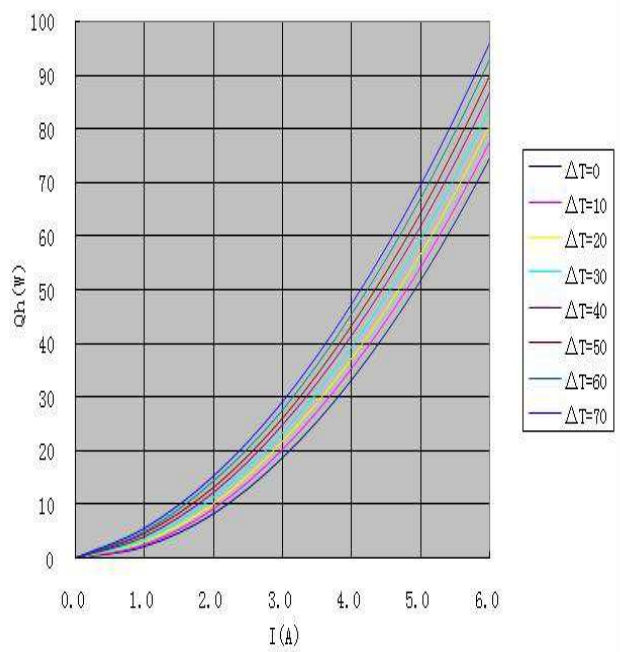
Qc vs. I



V vs. I



Qh vs. I



COP vs. I

