

stonecold

PM-40X40-57

Performance Specifications

Hot Side Temperature (°C)	25°C	50°C
Q _{max} (Watts)	43	49
Delta T _{max} (°C)	66	75
I _{max} (Amps)	5.3	5.3
V _{max} (Volts)	14.2	16.2
Module Resistance (Ohms)	2.40	2.75

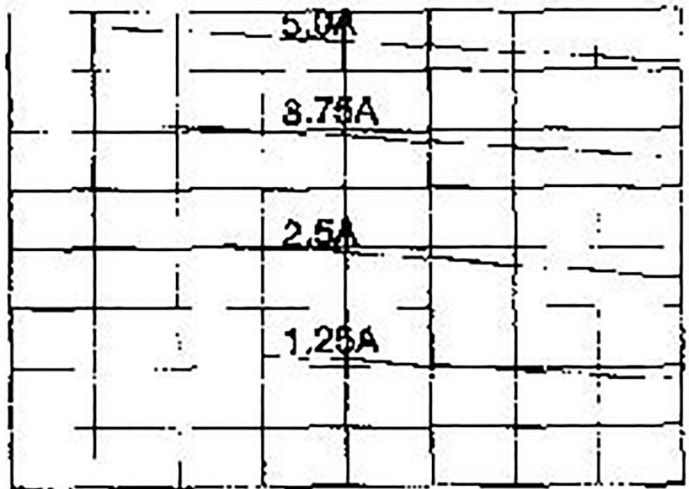


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Performance curves:

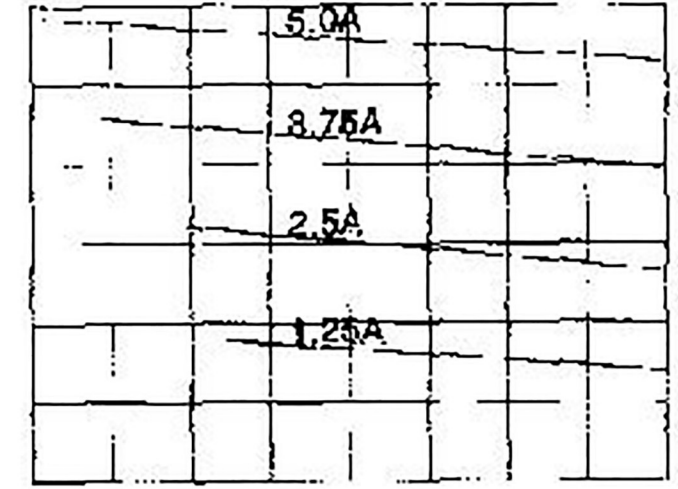
$T_a = -25^\circ\text{C}$



V(v)

16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0

$T_a = 50^\circ\text{C}$



V(v)

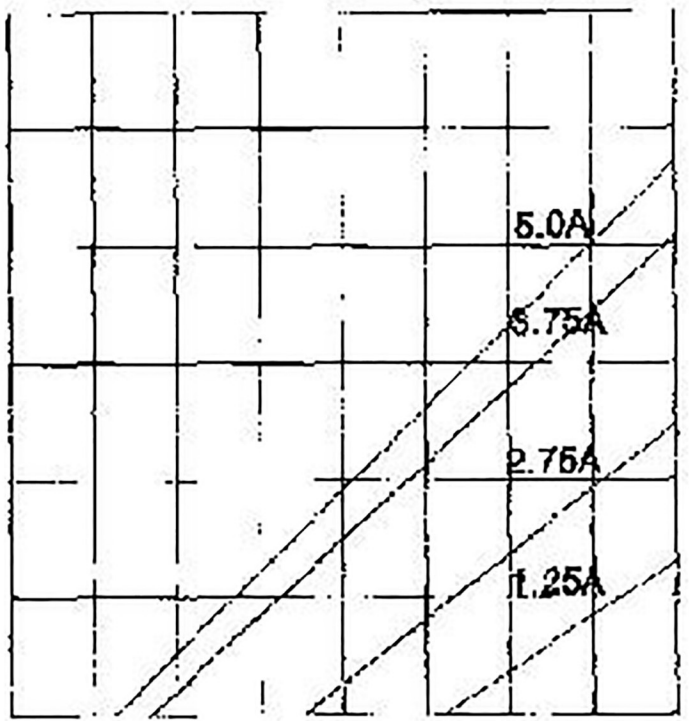
18.0
15.0
12.0
9.0
6.0
3.0
0.0

Delta T (C)

Delta T (C)

Q_c (w)

60
50
40
30
20
10
0

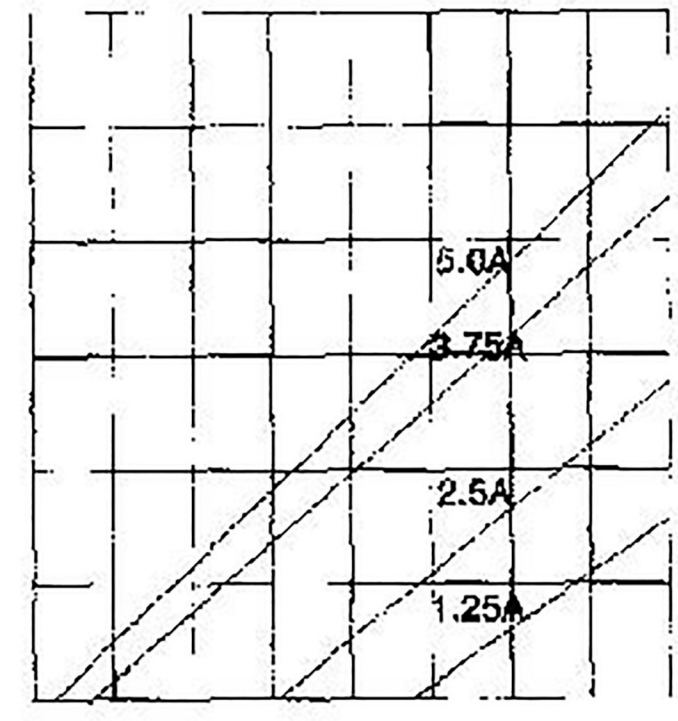


Q_c (w)

60
50
40
30
20
10
0

Delta T (C)

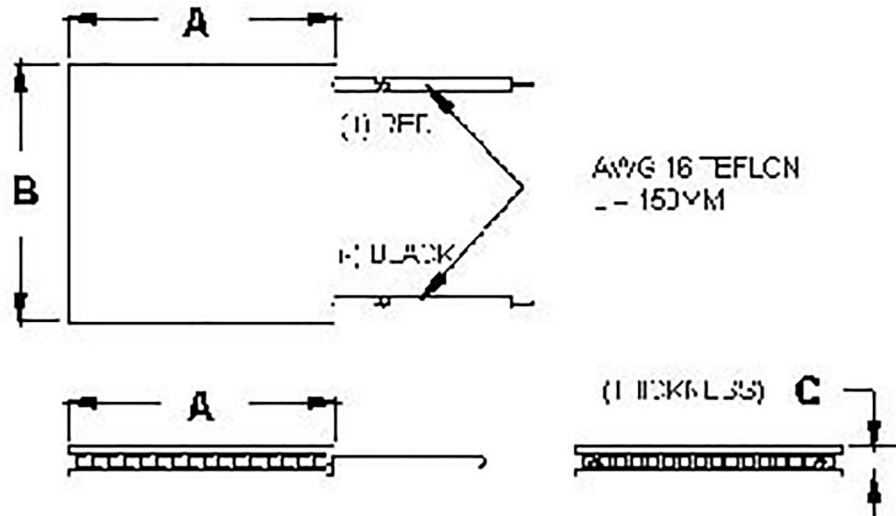
Delta T (C)



Delta T (C)

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Ceramic Material: Alumina (Al_2O_3)
Solder Construction: 138°C, Bismuth Tin (BiSn)

Size table:

A	B	C			
40	40	4.0			

Operating Tips

- Max. Operating Temperature: 138°C
- Do not exceed I_{max} or V_{max} when operating module.
- Life expectancy: 200,000 hours
- Please consult HB for moisture protection options (sealing).
- Failure rate based on long time testings: 0.2%.