



	Th = 298K (mm)										S AWG
	I max (A)	U max (V)	Pc max (W)	ΔT max (°C)	R _{AC} (ohm)	Ac	Ah	B	H	L	
High Power Density Cycling TEM											
PC-072-14-06	15.4	8.9	85.1	68	0.45	30	34	30	3.3	200	22
PC-128-10-05	9	15.8	88.2	68	1.38	30	34	30	2.5	200	24
PC-128-14-06	15.4	15.8	151.4	68	0.82	40	44	40	3.3	300	22
PC-128-20-08	24	15.8	235.5	70	0.55	55	59	55	4.0	200	22
PC-200-14-06	15.4	25.0	236.5	68	1.28	40	44	40	3.3	200	22
PC-200-14-11	8.5	24.9	127.5	71	2.36	40	44	40	3.8	200	24
PC-288-10-05	9	35.8	198.4	68	3.11	40	44	40	2.5	200	24
PC-288-10-08	6	35.8	127.6	71	4.83	40	44	40	3.1	200	24
PC-288-14-06	15.4	35.8	340.5	68	1.84	52	56	52	3.3	200	22
PC-288-14-11	8.5	35.8	182.6	71	3.39	52	56	52	3.8	200	24

Pc max = Cooling power at $\Delta T = 0$ and $I = I$ max.
 ΔT max = Temperature difference at $I = I$ max and $P_c = 0$.
 Increased hot side temperature gives increased U max, Pc max and ΔT max.
 At Th = 50 °C ΔT max increases by 10 °C and Pc max by 10%.
 Max temperature Th/Tc = 110 °C for best long term performance.
 Max mounting pressure: 2.5MPa.
 Wires: Teflon (PTFE) insulated wires.

Revision notes and dates (yyymmdd):

Rev. 1: 060503, RoHS compatible, Maximum Thot/Tcold 110°C.
 Rev. 0: 060308, No changes.

Material: Bi2Te3, Al2O3,		General tolerances: SS-ISO 2768-1 m		First angle projection:	Dimension units: Metric: [mm]
Comment/Treating: Porch style module					
Designed by: S Molin	Checked by:	Approved by: H Lindberg	Release date: 20060503	Project: PC	Customer: Laird Tech
		Title: TE-MODULE POWER		Part nr: PC-XXX-XX-XX	Rev. Version: Scale: Size, sheet 1 TEM 2:1 A3, 1(1)

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