



ORDER DESCRIPTION

1. Object of the contract

No	Product name	Qty
1	Thermoelectric cooler 4TE on TO8 12 pin header	40

2. Parameters

2.1 Detailed scope of the subject

Product name	Parameter	Specification
Thermoelectric cooler 4TE on TO8 12 pin header	Top Ceramics (cold side)	Al ₂ O ₃ polished Ra<0.1, no metallization, dimensions 2,6x2,6 mm ±0,1mm
	Middle ceramics	Al ₂ O ₃ with VIAS
	bottom ceramics	Al ₂ O ₃ Au metallization 0,2 um, dimensions 7,4x7,4mm ±0,1mm
	pellets	BiTe with Ni barrier layer
	terminal wires AWG30	Cu blank tinned copper 0,202 mm mm dia
	Assembling Solder	Sn-Sb lead free RoHs Tmelt = 230°C
	TEC bonding	Sn-Sb lead free RoHs Tmelt = 230°C
	Header	TO812
	TEC mounting	lead free RoHs Tmelt = 206°C
	Height	6.9±0.25
	ΔTmax K	127±3
	Qmax W	0.30±0.03
	Imax A Umax V ACR Ohm	0,5±0,05 8,4±0,84 14.90±1.49
	power connection	2(+) i 8(-)