

■ Mini-TECs

Type	Model No.	I _{max} (A)	V _{max} (volts)			Δ T _{max} (°C)			Q _{cmax} (watts)			Top ceramics		Bottom ceramics		Height H(mm)	Height tolerance (±mm)	Ceramic material	Metallization		Terminal Option		
			Th=27°C	Th=50°C	Th=70°C	Th=27°C	Th=50°C	Th=70°C	Th=27°C	Th=50°C	Th=70°C	W (mm)	L1(mm)	W (mm)	L2(mm)				Nil	Cu-Ni-Au (Pretinning)	Lead Wire	Pad	Post
Mini-TECs	KSHH012	1.0	1.5	1.7	1.8	76	87	94	0.8	0.9	0.9	1.6	1.6	1.6	2.2	0.8	0.1	Aluminum nitride(AIN)		○		○	
	KSHH015	1.0	1.8	2.0	2.3	76	87	94	1.0	1.1	1.1	1.8	1.8	2	2.6	0.9	0.1	Aluminum nitride(AIN)		○		○	
	KSHH018	1.0	2.2	2.5	2.7	76	87	94	1.2	1.3	1.4	2	2	2	2.7	0.8	0.1	Aluminum nitride(AIN)		○		○	
	KSGH012	1.5	1.5	1.7	1.8	76	86	94	1.2	1.3	1.3	1.6	1.6	1.6	2.2	0.7	0.1	Aluminum nitride(AIN)		○		○	
	KSGH015	1.5	1.9	2.1	2.3	76	86	94	1.5	1.6	1.7	1.8	1.8	2	2.6	0.8	0.1	Aluminum nitride(AIN)		○		○	
	KSGH018	1.5	2.2	2.5	2.8	76	86	93	1.8	2.0	2.0	2	2	2	2.7	0.7	0.1	Aluminum nitride(AIN)		○		○	
	KSAH012	2.3	1.6	1.8	2.0	74	83	91	1.7	1.9	1.9	2.56	3.8	2.56	4.8	0.97	0.1	Alumina(Al ₂ O ₃)		○	○		
	KSAH018	2.3	2.3	2.6	2.9	74	83	91	2.6	2.8	2.8	3.8	3.8	3.8	4.8	0.97	0.1	Alumina(Al ₂ O ₃)		○	○		
	KSAH023	2.3	3.0	3.4	3.7	74	83	91	3.3	3.6	3.6	3.8	5.04	3.8	6.04	0.97	0.1	Alumina(Al ₂ O ₃)		○	○		

I_{max}:Maximum current Current at Δt_{max}, Q_c=0
 V_{max}:Maximum terminal voltage Terminal voltage at I_{max},Δt_{max} and Q_c=0
 Δt_{max}:Maximum temperature difference Temperature difference between the cold side
 and the hot side and the hot side ceramics
 Q_{cmax}:Maximum heat pumped at the cold side Heat pumped at I_{max}, ΔT=0
 Th:Hot side ceramics temperature Ceramics teperature at the hot side

◎Inquiry

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