



Datasheet

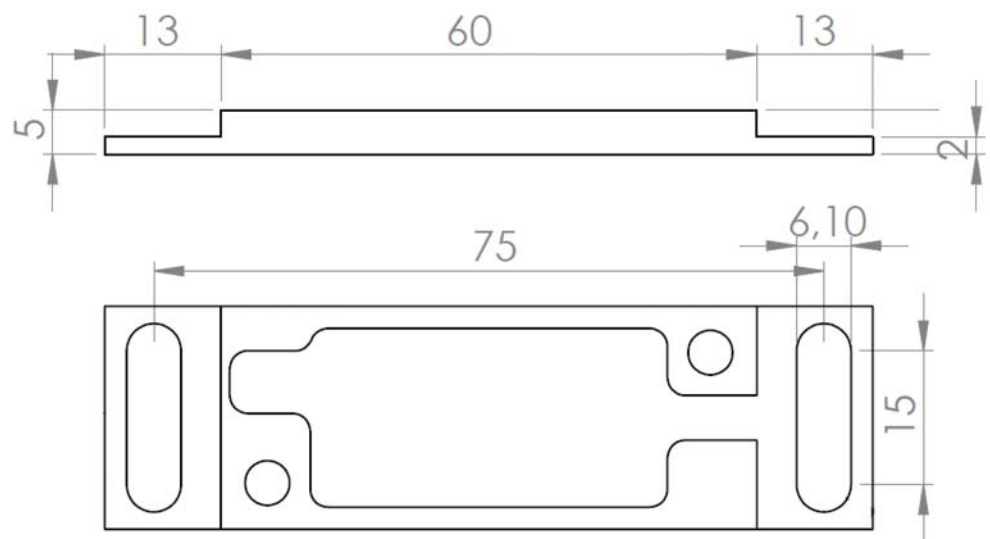
MM-TEC-25 Adapter Mount

Features

- For 25mm grid tables
- 18.8W Peltier Element
- 10k NTC

Short description

Adapter Mount	MM-TEC-25
Material:	anodized aluminum
Temperature Sensor	Vishay NTCAFLEX05
Type	NTC
Value	10k
TEC	Crystalltherm
V _{max}	8.8 VDC
I _{max}	3.6 A
Q _{max}	18.8 W
ΔT _{max}	78 °C



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All technical parameters are subject to change without notice.



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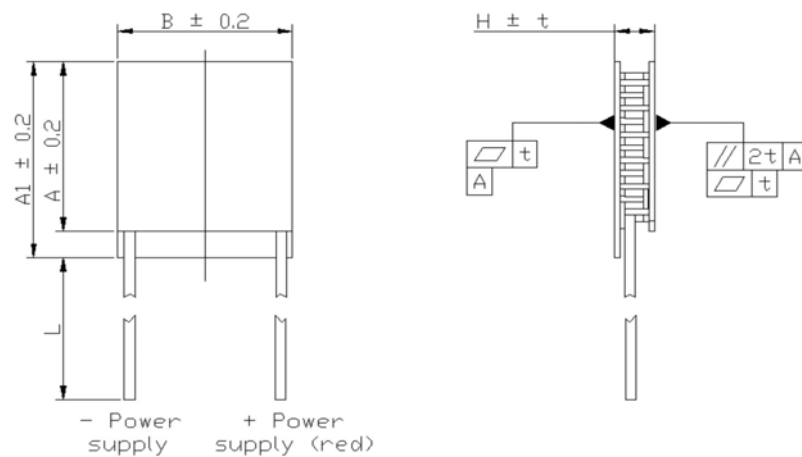
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Technical specifications

Model	063-10-13
Internal Solder Melting Temp. (°C)	138
Max. operating Temp. (short time /long time) °C	130 115
I _{max} (A) ¹	3,4
U _{max} (VDC) ¹	8,0
Q _{max} (W) ¹	18,8W
dT _{max} (K) ¹	74,5
Rac (Ohm) ¹	1,76
Rac Tolerance (±, %)	10
Size (A x B mm ²)	30 x 15
Height (mm)	3,6
Wire (AWG, length in cm)	24 , 100





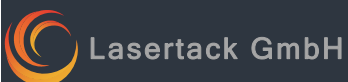
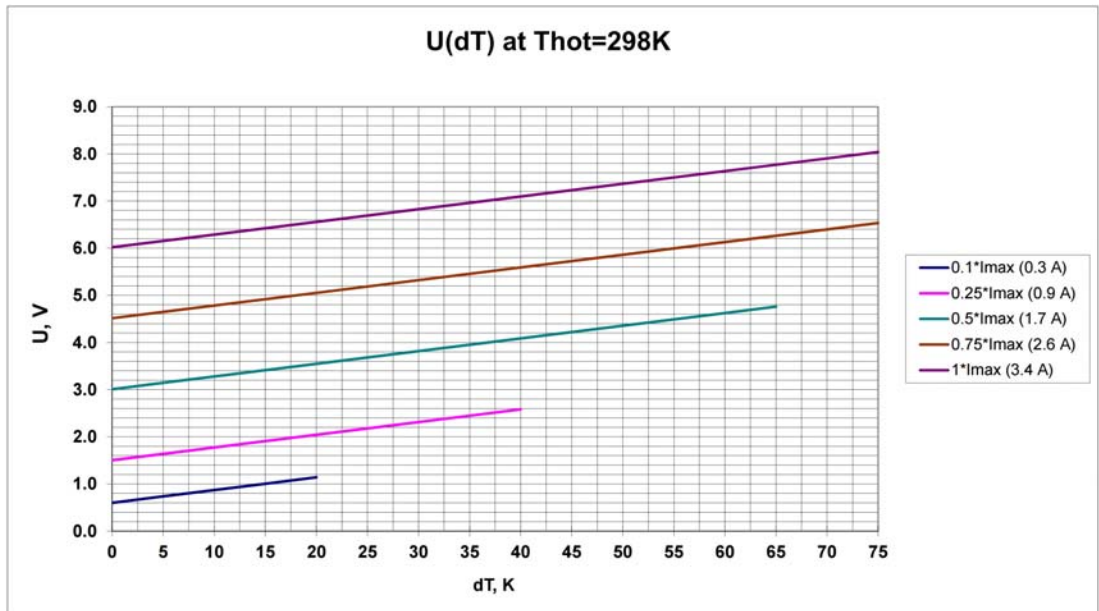
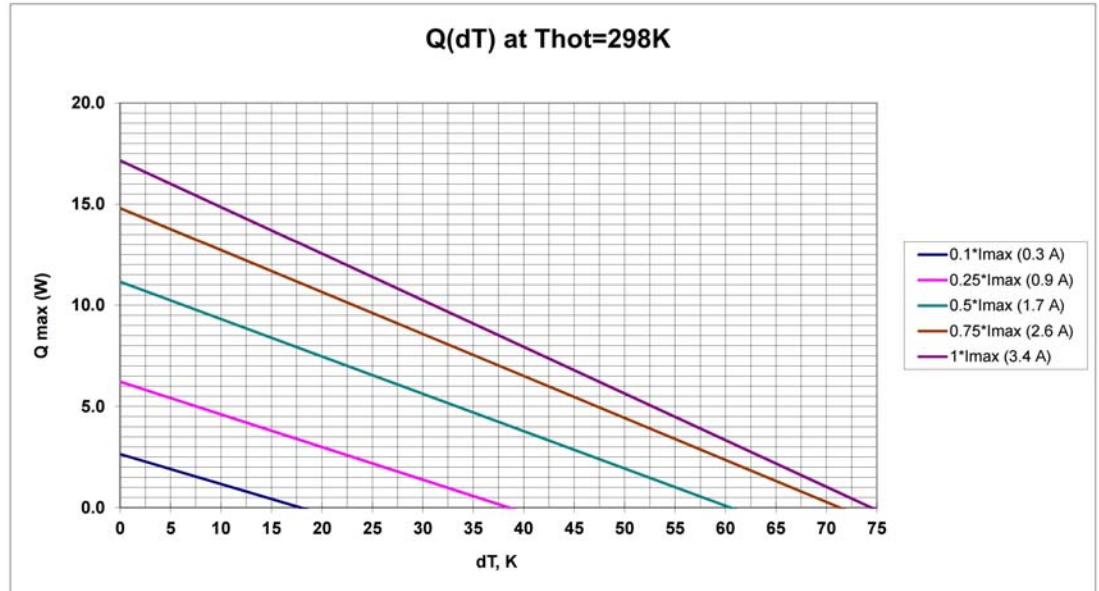
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Max ΔT is reduced by 2-3K for silicon sealed and 1-2K for epoxy sealed versions.



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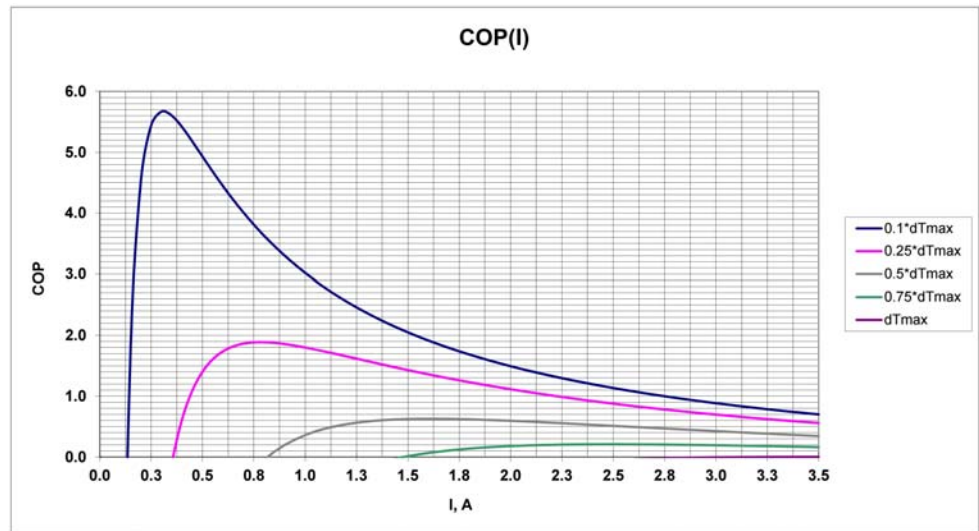
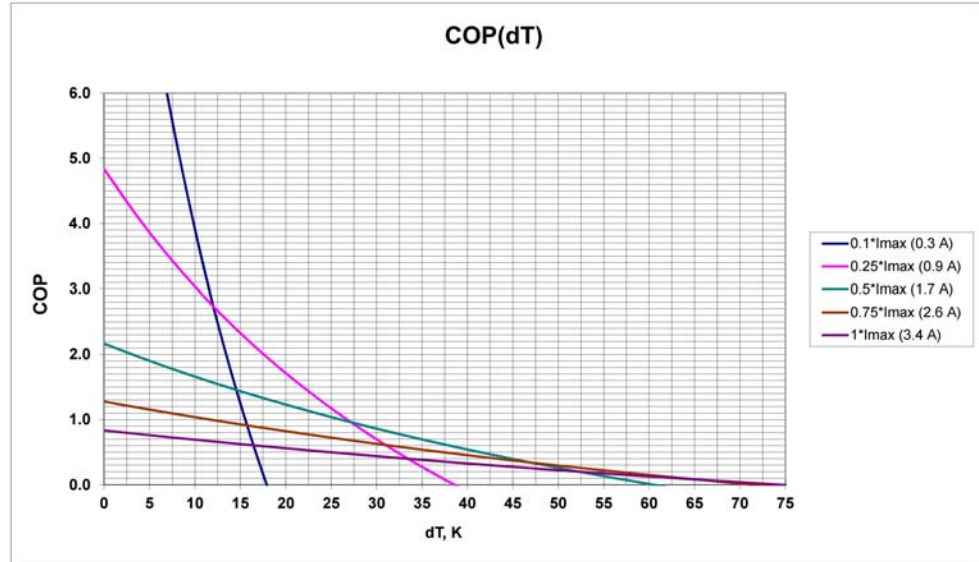



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NTC Specifications

R/T TABLE 1				
R ₂₅ -VALUE (kΩ)	R ₂₅ TOL. (%)	B _{25/85} -VALUE (K)	B _{25/85} TOL. (%)	SAP MATERIAL NO.
10	± 3	3960	± 1	NTCAFLEX05103HH

RESISTANCE VALUES AT INTERMEDIATE TEMPERATURES							
TEMP. (°C)	R _T /R ₂₅	RESISTANCE (Ω)	ΔR/R (%)	α (%/K)	ΔT (K)	R _{min.} (Ω)	R _{max.} (Ω)
-40	34.7116	347 116	10.8031	-6.66	1.62	309 617	384 616
-35	25.0089	250 089	10.0392	-6.45	1.56	224 982	275 196
-30	18.2023	182 023	9.3093	-6.25	1.49	165 078	198 968
-25	13.3804	133 804	8.6110	-6.06	1.42	122 282	145 326
-20	9.9313	99 313	7.9424	-5.87	1.35	91 425	107 201
-15	7.4408	74 408	7.3017	-5.68	1.28	68 974	79 841
-10	5.6257	56 257	6.6871	-5.50	1.22	52 495	60 019
-5	4.2910	42 910	6.0971	-5.33	1.14	40 294	45 526
0	3.3009	33 009	5.5303	-5.16	1.07	31 184	34 835
5	2.5602	25 602	4.9853	-5.00	1.00	24 326	28 879
10	2.0015	20 015	4.4608	-4.85	0.92	19 122	20 908
15	1.5767	15 767	3.9558	-4.70	0.84	15 143	16 391
20	1.2512	12 512	3.4692	-4.55	0.76	12 078	12 946
25	1.0000	10 000	3.0000	-4.41	0.68	9700.0	10 300
30	0.8047	8046.8	3.2266	-4.28	0.75	7787.1	8306.4
35	0.6518	6517.6	3.4459	-4.15	0.83	6293.1	6742.2
40	0.5313	5312.5	3.6581	-4.03	0.91	5118.2	5506.9
45	0.4357	4356.6	3.8637	-3.91	0.99	4188.3	4524.9
50	0.3594	3593.6	4.0629	-3.79	1.07	3447.6	3739.6
55	0.2981	2981.0	4.2560	-3.68	1.16	2854.1	3107.8
60	0.2486	2486.2	4.4434	-3.58	1.24	2375.7	2596.6
65	0.2084	2084.3	4.6252	-3.48	1.33	1987.9	2180.7
70	0.1756	1756.2	4.8017	-3.38	1.42	1671.9	1840.5
75	0.1487	1486.9	4.9732	-3.28	1.52	1412.9	1560.8
80	0.1265	1264.7	5.1397	-3.19	1.61	1199.7	1329.7
85	0.1081	1080.6	5.3017	-3.10	1.71	1023.3	1137.9
90	0.0927	927.23	5.6204	-3.02	1.86	875.11	979.34
95	0.0799	798.94	5.9309	-2.94	2.02	751.56	846.33
100	0.0691	691.16	6.2335	-2.86	2.18	648.08	734.25
105	0.0600	600.23	6.5286	-2.78	2.35	561.04	639.42
110	0.0523	523.20	6.8163	-2.71	2.51	487.53	558.86
115	0.0458	457.68	7.0970	-2.64	2.69	425.20	490.17
120	0.0402	401.76	7.3709	-2.57	2.86	372.15	431.37
125	0.0354	353.85	7.6383	-2.51	3.05	326.82	380.87


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