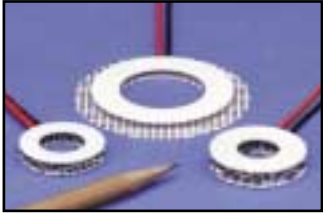
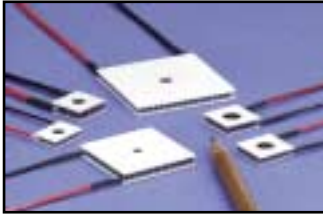


Center Hole (Annular) Series Specifications



Catalog Number	I _{max} (Amps)	Th = 25°C			N	Dimensions (mm)				
		Q _{max} ⁽¹⁾ (Watts)	V _{max} (Volts)	ΔT _{max} (°C)		A	B	C	D ⁽²⁾	E
OT 1.2-62-F3	1.20	5.01	7.52	67	62	12.3	11.3	13.4	2.7	2.0
OT 1.5-62-F3	1.50	6.27	7.52	67	62	12.3	11.3	13.4	2.4	2.0
OT 2.0-62-F3	2.00	8.36	7.52	67	62	12.3	11.3	13.4	2.2	2.0
SH 0.8 -28 -05	2.6	4.9	3.9	67	28	14.7	10.3	14.7	3.1	4.4
SH 1.0 -23 -06	3.0	4.7	2.8	67	23	15	15	15	3.6	7.2
SH 1.0 -95 -06	3.0	19.3	11.5	67	95	30	30	30	3.6	14.5
SH 1.0-125-06	3.0	25.3	15.2	67	125	30	30	30	3.6	3.6
SH 1.0 -23 -05	3.9	6.0	2.8	67	23	15	15	15	3.2	7.2
SH 1.0 -95 -05	3.9	25.1	11.5	67	95	30	30	30	3.2	14.5
SH 1.0-125-05	3.9	32.9	15.2	67	125	30	30	30	3.2	3.6
SH 1.4 -15 -10	3.9	3.9	1.8	68	15	14	14	14	4.7	5.1
SH 1.4 -69 -10	3.9	18.1	8.4	68	69	30	30	30	4.7	3.6
SH 1.4 -125 -10	3.9	32.9	15.2	68	125	40	40	40	4.7	4.7
SH 1.4 -15 -06	6.0	6.1	1.8	67	15	14	14	14	3.8	5.1
SH 1.4 -69 -06	6.0	27.9	8.4	67	69	30	30	30	3.8	3.6
SH 1.4 -125 -06	6.0	50.7	15.2	67	125	40	40	40	3.8	4.7
SH 1.4 -15 -045	8.5	8.1	1.8	65	15	14	14	14	3.3	5.1
SH 1.4 -69 -045	8.5	37.3	8.4	65	69	30	30	30	3.3	3.6
SH 1.4 -125 -045	8.5	67.7	15.2	65	125	40	40	40	3.3	4.7
SH 2 -20 -10	9.0	12.2	2.4	68	20	30	30	30	5.6	13
SH 2 -20 -06	14.0	18.9	2.4	67	20	30	30	30	4.6	13
RH 1.4 -14 -10	3.9	3.7	1.7	68	14	26	26	26	4.7	14
RH 1.4 -32 -10	3.9	8.4	3.9	68	32	44	55	55	4.7	27
RH 1.4 -14 -06	6.0	5.7	1.7	67	14	26	26	26	3.8	14
RH 1.4 -32 -06	6.0	12.9	3.9	67	32	44	55	55	3.8	27
RH 1.4 -14 -045	8.5	7.6	1.7	65	14	26	26	26	3.3	14
RH 1.4 -32 -045	8.5	17.3	3.9	65	32	44	55	55	3.3	27
RH 2 -10 -10	9.0	6.1	1.2	68	10	29	29	29	5.6	13
RH 2 -10 -06	14.0	9.4	1.2	67	10	29	29	29	4.6	13

Wire Standards:

Module Type	Wire Gauge (AWG)
OT-ALL	30
SH0.8-ALL	26
SH1.0-ALL	24
SH1.4-ALL	18
SH2-ALL	18
RH1.4-ALL	18
RH2-ALL	18

For all OptoTEC Series modules, wire is solid, uninsulated and 50mm (2.0 in.) long.

For all SH and RH Series modules, wire is stranded, 114 mm (4.5 in.) long and PVC insulated.

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Center Hole

- Features center hole for transmission of light, wires, probes or other hardware through the TEC
- Round or square configurations available

Interfacing and Options:

Both hot and cold faces non-metallized flat, Type L. Both faces metallized and tinned, Type TT. Hybrid, hot face tinned, cold faced non-metallized, Type TL. Hot face non-metallized, cold face tinned, Type LT. Two face soldering (Type TT) in sizes larger than 12 x 12 mm is not recommended. Consult MELCOR for details. SH, RH = Center Hole options; OT = OptoTEC options.

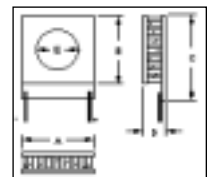
Notes:

- 1) Q_{max} rated value at ΔT = 0°, I_{max} and V_{max}, Th = 25°C.
- 2) Thickness for non-metallized versions only.

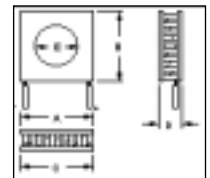
Definitions:

- I_{max} Input current resulting in greatest ΔT (ΔT_{max})[amps]
 N Number of thermocouples (p- and n-type pairs)
 Q_{max} Maximum amount of heat that can be absorbed at cold face (occurs at I = I_{max}, ΔT = 0°)[watts]
 Th Temperature of the TEC hot face during operation [°C]
 ΔT_{max} Maximum temperature difference a TEC can achieve (occurs at I = I_{max}, Q_c = 0)[°C]
 V_{max} Voltage at ΔT_{max}

OptoTEC – F3



SH Series



RH Series

