

THERMAL INTERFACE PADS

Selection Guideline 2026

REV12.0

Total Thermal Solution

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TABLE OF CONTENTS

1	Double Sided Tape DST Series double sided quick attachment fiberglass and aluminum carrier sheets 1w/mk to 1.3 w/mk
2	Gap Pads PLX Series Silicon based 1mm thick Gap Pad sheets 1w/mk to 12w/mk
3	Gap Pads PLF Series Silicon Free 1mm thick Gap Pad sheets 1w/mk to 12 w/mk
4	Thermal Insulators 173, 174, &175 Series
6	Thermally Conductive Insulators TO-Device specific shapes plus sheet & rectangle
15	ulTIMiFlux Dielectric Phase Change Thermal Material TO device specific shapes
27	ulTIMiFlux Thermal Gap Filling Thermally conductive insulating Gap Pads

DOUBLE SIDED TAPE

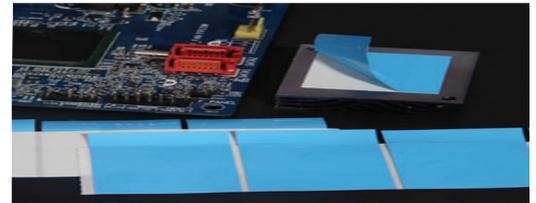
DST SERIES

EFFICIENT, QUICK ATTACHMENT THERMAL TAPE

DST Series thermal tape self-adhesive is widely used to bond heat sinks to microprocessors and other power consuming semiconductors. DST thermal tape self-adhesive has strong adhesive strength and low thermal resistance, which can effectively replace silicone grease and mechanical fixturing.

Operating Temperature: -30°C~100°C

Shelf Life: 1 Year



Part #	Description	Size (mm)	Thermal Conductivity (W/mK)	Thickness (mm)	Backing / Carrier	Color
DST-38-1-76X127	Thermal Adhesive Tape 76x127 1W/mK 0.38mm	76x127	1.0	0.38	Fiberglass	White
DST-38-1-254X254	Thermal Adhesive Tape 254x254 1W/mK 0.38mm	254x254	1.0	0.38	Fiberglass	White
DST-38-1-305X305	Thermal Adhesive Tape 305x305 1W/mK 0.38mm	305x305	1.0	0.38	Fiberglass	White
DST-50-1-76X127	Thermal Adhesive Tape 76x127 1W/mK 0.50mm	76x127	1.0	0.50	Fiberglass	White
DST-50-1-254X254	Thermal Adhesive Tape 254x254 1W/mK 0.50mm	254x254	1.0	0.50	Fiberglass	White
DST-50-1-305X305	Thermal Adhesive Tape 305x305 1W/mK 0.50mm	305x305	1.0	0.50	Fiberglass	White
DST-64-1-76X127	Thermal Adhesive Tape 76x127 1W/mK 0.64mm	76x127	1.0	0.64	Fiberglass	White
DST-64-1-254X254	Thermal Adhesive Tape 254X254 1W/mK 0.64mm	254X254	1.0	0.64	Fiberglass	White
DST-64-1-305X305	Thermal Adhesive Tape 305X305 1W/mK 0.64mm	305x305	1.0	0.64	Fiberglass	White
DST-16-1.3-76X127	Thermal Adhesive Tape 76x127 1.3W/mK 0.16mm	76x127	1.3	0.16	Aluminum	White
DST-16-1.3-254X254	Thermal Adhesive Tape 254x254 1.3W/mK 0.16mm	254x254	1.3	0.16	Aluminum	White
DST-16-1.3-305X305	Thermal Adhesive Tape 305x305 1.3W/mK 0.16mm	305x305	1.3	0.16	Aluminum	White

GAP PADS PLX SERIES



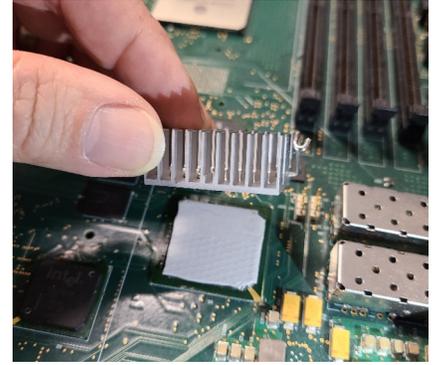
SILICONE BASED GAP PADS

Wakefield Thermal's uTIMiFlux line of thermal interface materials offer high performance, low cost, configurability and custom sizes for your thermal system needs.

Shelf Life: 3 Years

Part #	Thickness inch (mm)	Alt Thickness (mm)	Thermal Conductivity (W/mK)	Size (mm)	Color
PLX-1-1.5-76X127-40	0.039 (1.0)	0.25 - 5	1.5	76 X 127	White
PLX-1-1.5-210X310-40	0.039 (1.0)	0.25 - 5	1.5	210 X 310	White
PLX-1-2-76X127-80	0.039 (1.0)	0.15 - 15.0	2	76 X 127	Gray
PLX-1-2-210X310-80	0.039 (1.0)	0.15 - 15.0	2	210 X 310	Gray
PLX-1-3-76X127-30	0.039 (1.0)	0.3 - 10.0	3	76 X 127	Blue
PLX-1-3-210X310-30	0.039 (1.0)	0.3 - 10.0	3	210 X 310	Blue
PLX-1-5-76X127-40	0.039 (1.0)	0.15 - 15.0	5	76 X 127	Gray
PLX-1-5-210X310-40	0.039 (1.0)	0.15 - 15.0	5	210 X 310	Gray
PLX-1-6-76X127-48	0.039 (1.0)	0.5 - 5.0	6	76 X 127	Gray
PLX-1-6-210X310-48	0.039 (1.0)	0.5 - 5.0	6	210 X 310	Gray
PLX-1-7-76X127-68	0.039 (1.0)	0.5 - 5.0	7	76 X 127	Gray
PLX-1-7-210X310-68	0.039 (1.0)	0.5 - 5.0	7	210 X 310	Gray
PLX-1-8-76x127-40	0.039 (1.0)	0.5 - 3.0	8	76 X 127	Gray
PLX-1-8-210x310-40	0.039 (1.0)	0.5 - 3.0	8	210 X 310	Gray
PLX-1-10-76X127-55	0.039 (1.0)	0.5 - 5.0	10	76 X 127	Gray
PLX-1-10-210X310-55	0.039 (1.0)	0.5 - 5.0	10	210 X 310	Gray
PLX-1-12-76X127-58	0.039 (1.0)	0.8 - 5.0	12	76 X 127	Gray
PLX-1-12-210X310-58	0.039 (1.0)	0.8 - 5.0	12	210 X 310	Gray

GAP PADS PLF SERIES



SILICONE FREE GAP PADS

Wakefield Thermal's ulTIMiFlux line of thermal interface materials offer high performance, low cost, configurability and custom sizes for your thermal system needs.

Shelf Life: 3 Years

Part #	Thickness inch (mm)	Alt Thickness (mm)	Thermal Conductivity (W/mK)	Size (mm)	Color
PLF-1-1-76X127-40	0.039 (1.0)	0.25 - 5.0	1	76 X 127	White
PLF-1-1-210X310-40	0.039 (1.0)	0.25 - 5.0	1	210 X 310	White
PLF-1-3-76X127-70	0.039 (1.0)	0.25 - 5.0	3	76 X 127	Off White
PLF-1-3-210X310-70	0.039 (1.0)	0.25 - 5.0	3	210 X 310	Off White
PLF-1-8-76X127-70	0.039 (1.0)	0.5 - 5.0	8	76 X 127	Gray
PLF-1-8-210X310-70	0.039 (1.0)	0.5 - 5.0	8	210 X 310	Gray

THERMAL INSULATORS

173, 174, & 175 SERIES

THERMALLY CONDUCTIVE INSULATORS

The 173, 174, and 175 Series are highly efficient thermally conductive insulators designed for semiconductor interface to heat sinks. Their properties eliminate messy concerns associated with thermal greases.

Characteristics	DeltaPads™ 173-7 Series	DeltaPads™ 173-9 Series	DeltaPads™ 174-9 Series	Kapton 175-6 Series	Test Method
Material Thickness	0.007 in.	0.009 in.	0.009 in.	0.006 in.	Micrometer
Color	Gray	Gray	Tan	Gray	Visual
Tear Strength, lb/in. Typical	100	100	100	100	ASTM D624
Volume Resistivity, megohm-cm, Minimum Normal	1.0×10^9	1.0×10^9	1.0×10^{13}	1×10^{13}	ASTM D257
Breakdown Voltage, Minimum	4,000	5,000	5,000	6,000	ASTM 0149
Dielectric Constant at 60 Hz and 100 V Maximum	2.70	2.40	2.50	5.5 @ 1,000 Hz	ASTM D 150
Continuous Use Temperature, °C	-60/+200	-60/+200	-60/+200	-60/+200	-
Thermal Conductivity, cal/cm sec. °C, Minimum	3×10^{-3}	3×10^{-3}	1×10^{-2}	1.2×10^{-3}	-
Thermal Resistance (TO-3), 1 in.² °C/W	0.33	0.50	0.25	0.40	-
Recommended Mounting Pressure, lb/in.²	350/550	350/550	350/550	350/550	Formula

THERMALLY CONDUCTIVE INSULATORS

173-7 Series		173-9 Series	174-9 Series	175-6 Series
No Adhesive	Adhesive Backing	No Adhesive	No Adhesive	Greaseless
-	-	173-9-210P	-	175-6-210P
173-7-220P	-	-	-	175-6-220P
173-7-230P	-	173-9-230P	-	175-6-230P
173-7-240P	173-7-240A	173-9-240P	-	175-6-240P
-	-	-	-	175-6-250P
-	-	-	-	175-6-280P
-	-	-	174-9-310P	175-6-310P
-	-	-	-	175-6-320P
-	-	-	-	175-6-330P
-	-	-	-	175-6-410P
-	-	-	-	175-6-610P
173-7-1212P	-	173-9-1212P	174-9-1212P	-

Mechanical Dimensions (in)

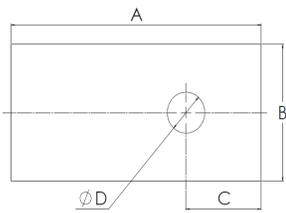


Fig. 1

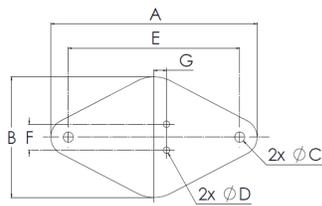


Fig. 2

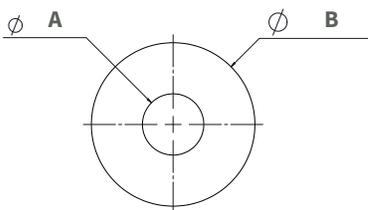


Fig. 3

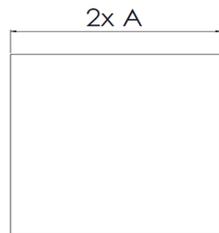


Fig. 4

Dash Code	Fig #	A	B	C	D	E	F	G
210	1	0.687	0.562	0.218	0.125	-	-	-
220	1	0.710	0.500	0.160	0.141	-	-	-
230	1	0.750	0.500	0.187	0.125	-	-	-
240	1	0.750	0.500	0.187	0.147	-	-	-
250	1	0.865	0.650	0.205	0.140	-	-	-
280	1	0.860	0.740	0.200	0.160	-	-	-
310	2	1.593	1.100	0.156	0.062	1.187	0.430	0.072
320	2	1.650	1.140	0.122	0.062	1.187	0.430	0.072
330	2	1.780	1.250	0.140	0.062	1.187	0.430	0.072
410	3	0.625	0.200	-	-	-	-	-
610	2	1.312	0.762	0.140	0.062	0.960	0.200	0.100
1212	4	12.0	12.0	-	-	-	-	-

THERMAL INSULATORS

OMNIPAD SERIES

Wakefield Thermal's Omnipad Series of thermally conductive, electrical insulators are highly efficient and designed for semiconductor to heat sink interfaces. Their properties eliminate messy concerns associated with thermal greases. This is the best product wherever electrical contact and thermal transfer are needed.

Applications:

- Notebook computers
- Power supplies/converters
- Telecom stations
- Semiconductors
- Motor controls
- Automotive

Physical Property	WTC00*	WTI01	WTI02	WTI03	WTI04	WTI05	WTI06
Tensile Strength (PSI)	650	450	35	35	35	450	2400
UL Flammability Rating (VO)	94	94	94	94	94	94	94
Temperature Range (°C)	-240 to 300	-50 to 200					
Thermal Conductivity (W/mK)	240	.08	1.3	0.9	1.1	2.0	3.5
Thermal Resistance @ 100PSI (°C-IN ² /W)	0.07	0.585	0.401	0.688	0.658	0.605	0.205
Dielectric Breakdown Voltage (KVAC)	n/a	>5000	>6000	>6000	>6000	>4000	>4000
Dielectric Constant (1KHz)	n/a	5.5	3.7	5.0	5.0	5.5	3.0-3.5
RoHS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Halogen	n/a	PASS	PASS	PASS	PASS	PASS	PASS
Reach	PASS	PASS	PASS	PASS	PASS	PASS	PASS

* This material is NOT an electrical insulator like the others. It is a conductor.

OMNIPAD SERIES NUMBERING GUIDE

Following the guide below, choose your options and build your part number to use for placing your order. All available options are listed on the catalog pages to follow.

Example: WTI10R1F1-0.87x0.79

Product Type	Thickness (mil)	Shape	# of Holes	Backing Material	# of Sides w/ Adhesive	Overall Dims. (in)
WTI	10	RECTANGLE	1	FIBERGLASS	1	0.87x0.79

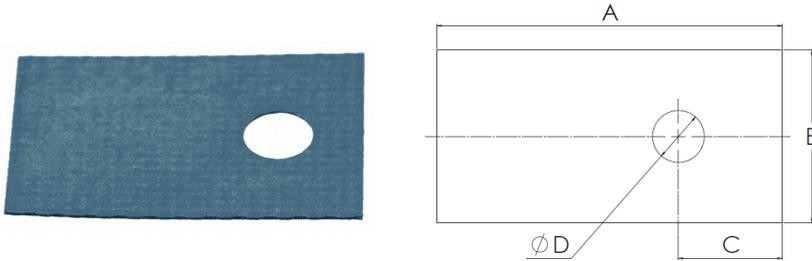
Key		Available Options
Product Type	Wakefield offers a line of thermal insulators (WTI) or conductors (WTC)	WTI, WTC
Thickness	The thickness of the part in mil (1/1000th"). Only use the decimal whenever the thickness in mils is not a whole number	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 20
Shape	The parts come in (4) basic shapes, indicated by the first letter C, D, R or S. Round = Circle. Rhombus = Diamond	Circle, Diamond, Rectangle, Square
# of Holes	The number of holes needed can vary from 0 to 8.	0, 1, 2, 3, 4, 5, 6, 7, 8
Backing Material	They come in (3) different backing materials or none at all. These are indicated by the first letter A, F, K or N.	Aluminum, Fiberglass, Kapton, None
# of Sides w/ Adhesive	These can come without adhesive or you can choose 1 side or both.	0, 1, 2
Overall Dimensions	Depending on shape, pick the width x height, outer diameter or outer diameter x inner diameter you need.	See Catalog pages to follow for option details.



RECTANGULAR WITH (1) HOLE

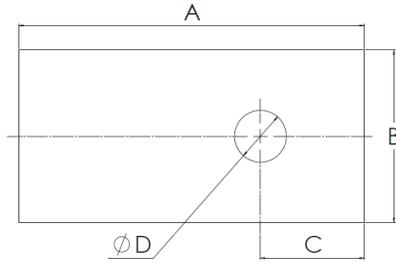
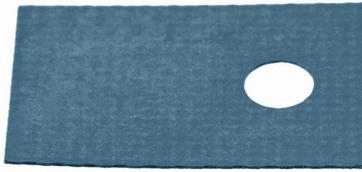
Wakefield Thermal's Omnipad Series of thermally conductive, electrical insulators are highly efficient and designed for semiconductor to heat sink interfaces. Their properties eliminate messy concerns associated with thermal greases. This is the best product wherever electrical contact and thermal transfer are needed.

Shelf Life: 3 Years



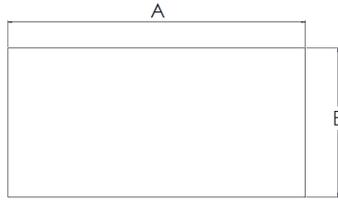
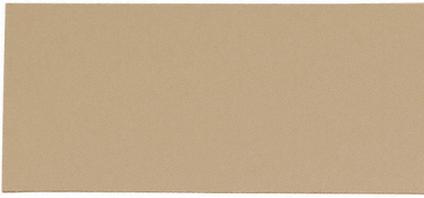
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)			
							A	B	C	D
WTC5R1A1-0.75X0.50	WTC00	TO-220	0.005	GRAPHITE	ALUMINUM	1.00	0.75	0.50	0.19	0.13
WTC5R1F0-0.69X0.56	WTC00	TO-220	0.005	GRAPHITE	FIBERGLASS	2.00	0.69	0.56	0.22	0.13
WTC5R1F0-0.75X0.50	WTC00	TO-220	0.005	GRAPHITE	FIBERGLASS	2.00	0.75	0.50	0.19	0.15
WTC5R1F0-0.86X0.74	WTC00	TO-218, TO-220, TO-247	0.005	GRAPHITE	FIBERGLASS	2.00	0.86	0.74	0.20	0.16
WTC5R1F0-1.00X0.75	WTC00	TO-218, TO-220, TO-247	0.005	GRAPHITE	FIBERGLASS	2.00	1.00	0.75	0.30	0.14
WTC6R1A0-0.75X0.50	WTC00	TO-220	0.006	SILICONE	ALUMINUM	2.50	0.75	0.50	0.19	0.15
WTI7R1F0-0.69X0.56	WTI01	TO-220	0.007	SILICONE	FIBERGLASS	0.80	0.69	0.56	0.22	0.13
WTI7R1F0-0.75X0.50	WTI01	TO-220	0.007	SILICONE	FIBERGLASS	0.80	0.75	0.50	0.19	0.13
WTI7R1F0-0.86X0.74	WTI01	TO-218, TO-220, TO-247	0.007	SILICONE	FIBERGLASS	0.80	0.86	0.74	0.20	0.16
WTI7R1F0-1.00X0.75	WTI01	TO-218, TO-220, TO-247	0.007	SILICONE	FIBERGLASS	0.80	1.00	0.75	0.30	0.14
WTI7R1F1-0.75X0.50	WTI01	TO-220	0.007	SILICONE	FIBERGLASS	0.80	0.75	0.50	0.19	0.13
WTI7R1F1-1.00X0.75	WTI01	TO-220	0.007	SILICONE	FIBERGLASS	0.80	1.00	0.75	0.30	0.14
WTI9R1F0-0.69X0.56	WTI01	TO-220	0.009	SILICONE	FIBERGLASS	0.80	0.69	0.56	0.22	0.13
WTI9R1F0-0.75X0.50	WTI01	TO-220	0.009	SILICONE	FIBERGLASS	0.80	0.75	0.50	0.19	0.13

RECTANGULAR WITH (1) HOLE



Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)			
							A	B	C	D
WTI9R1F0-0.86X0.74	WTI01	TO-218, TO-220, TO-247	0.009	SILICONE	FIBERGLASS	0.80	0.86	0.74	0.20	0.16
WTI9R1F1-0.69X0.56	WTI01	TO-220	0.009	SILICONE	FIBERGLASS	0.80	0.69	0.56	0.22	0.13
WTI9R1F1-1.00X0.75	WTI01	TO-220	0.009	SILICONE	FIBERGLASS	0.80	1.00	0.75	0.30	0.14
WTI6R1F1-1.00X0.75	WTI02	TO-220	0.006	SILICONE	KAPTON	1.30	1.00	0.75	0.30	0.14
WTI6R1K0-0.69X0.56	WTI02	TO-220	0.006	SILICONE	KAPTON	1.30	0.69	0.56	0.22	0.13
WTI6R1K0-0.75X0.50	WTI02	TO-220	0.006	SILICONE	KAPTON	1.30	0.75	0.50	0.19	0.13
WTI6R1K0-0.86X0.74	WTI02	TO-218, TO-220, TO-247	0.006	SILICONE	KAPTON	1.30	0.86	0.74	0.20	0.16
WTI6R1K0-0.95X0.83	WTI02	TO-218, TO-220, TO-247	0.006	SILICONE	KAPTON	1.30	0.95	0.83	0.20	0.15
WTI6R1K0-0.75X0.50	WTI03	TO-220	0.006	SILICONE	KAPTON	0.90	0.75	0.50	0.19	0.13
WTI6R1K0-1.00X0.75	WTI04	TO-218, TO-220, TO-247	0.006	SILICONE	KAPTON	1.10	1.00	0.75	0.30	0.13
WTI6R1N0-0.75X0.50	WTI05	TO-220	0.009	SILICONE	FIBERGLASS	1.20	0.75	0.50	0.19	0.15
WTI9R1F1-0.75X0.50	WTI05	TO-220	0.009	SILICONE	FIBERGLASS	1.60	0.75	0.50	0.19	0.13
WTI9R1N0-0.75X0.50	WTI05	TO-220	0.009	SILICONE	NONE	1.00	0.75	0.50	0.19	0.13
WTI9R1N0-0.86X0.74	WTI05	TO-218, TO-220, TO-247	0.009	SILICONE	NONE	1.00	0.86	0.74	0.20	0.16
WTI9R10-0.95X0.83	WTI05	TO-218, TO-220, TO-247	0.009	SILICONE	NONE	1.00	0.95	0.83	0.20	0.16
WTI9R1N0-1.00X0.75	WTI05	TO-218, TO-220, TO-247	0.009	SILICONE	NONE	1.00	1.00	0.75	0.30	0.14
WTI10R1F1-0.44X0.31	WTI05	TO-126	0.010	SILICONE	FIBERGLASS	2.00	0.44	0.31	0.14	0.12
WTI15R1F0-0.75X0.50	WTI06	TO-220	0.015	SILICONE	FIBERGLASS	3.50	0.75	0.50	0.19	0.13
WTI15R1F0-1.00X0.75	WTI06	TO-220	0.015	SILICONE	FIBERGLASS	3.50	1.00	0.75	0.30	0.14

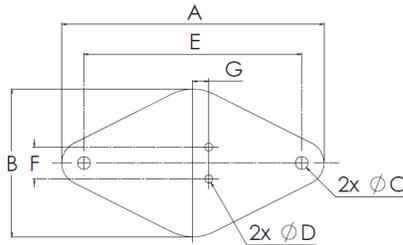
RECTANGULAR WITHOUT HOLES



Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)	
							A	B
WTC5R0F0-1.50X0.90	WTC00	POWER MODULE	0.005	GRAPHITE	FIBERGLASS	2.00	1.500	0.900
WTI6R0K0-0.75X0.50	WTI02	TO-220	0.006	SILICONE	KAPTON	1.30	0.750	0.500
WTI9R0N0-0.75X0.50	WTI05	TO-220	0.009	SILICONE	NONE	1.00	0.750	0.500

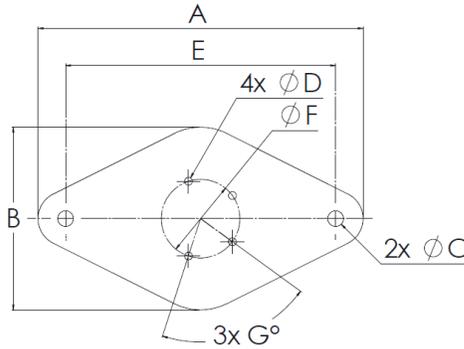
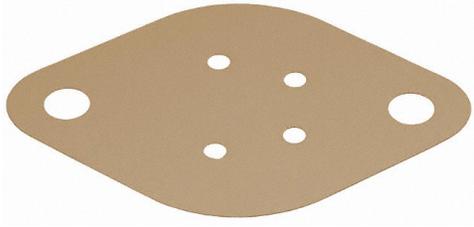
Dimensions (in)	
A	B
1.500	0.900
0.750	0.500
0.750	0.500

DIAMOND-SHAPED WITH (4) HOLES



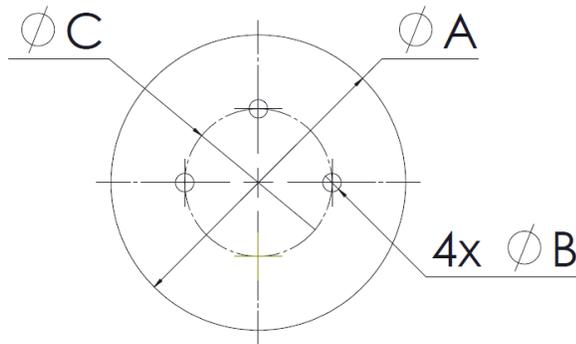
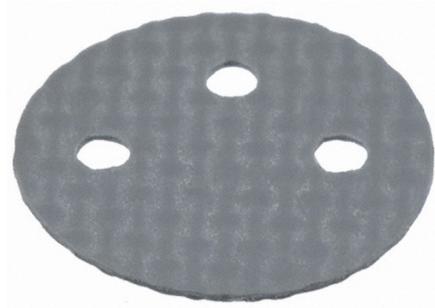
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)						
							A	B	C	D	E	F	G
WTC5D4F1-1.56X1.05	WTC00	T0-3	0.005	GRAPHITE	FIBERGLASS	2.00	1.563	1.050	0.140	0.140	1.187	0.430	0.072
WTI7D4F0-1.65X1.14	WTC01	T0-3	0.007	SILICONE	FIBERGLASS	0.80	1.650	1.140	0.140	0.093	1.187	0.430	0.072
WTI9D4F0-1.56X1.05	WTC01	T0-3	0.009	SILICONE	FIBERGLASS	0.80	1.563	1.050	0.140	0.080	1.187	0.430	0.072
WTI9D4F1-1.65X1.14	WTC01	T0-3	0.009	SILICONE	FIBERGLASS	0.80	1.650	1.140	0.140	0.093	1.187	0.430	0.072
WTI9D4F0-1.65X1.14	WTC01	T0-3	0.009	SILICONE	FIBERGLASS	0.80	1.650	1.140	0.140	0.093	1.187	0.430	0.072
WTI9D4F1-1.78X1.25	WTC01	T0-3	0.009	SILICONE	FIBERGLASS	0.80	1.780	1.250	0.140	0.093	1.187	0.430	0.072
WTI6D4K0-1.65X1.14	WTC02	T0-3	0.006	SILICONE	KAPTON	1.30	1.650	1.140	0.140	0.093	1.187	0.430	0.072

DIAMOND-SHAPED WITH (6) HOLES



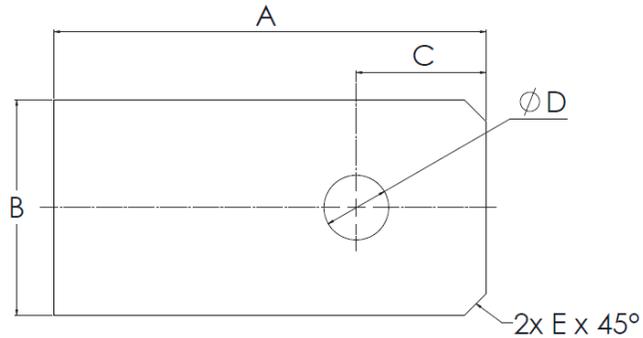
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)						
							A	B	C	D	E	F	G
WTI6D6KD-1.56X1.05	WTI02	T0-3	0.006	SILICONE	KAPTON	1.30	1.560	1.050	0.156	0.080	1.170	0.470	72 ⁰

CIRCULAR WITH (3) HOLES



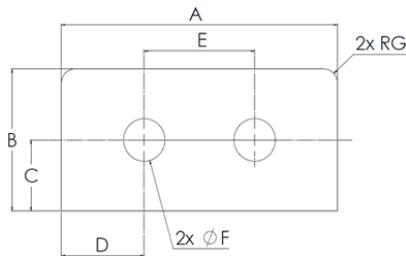
Part #	Wakefield Material Number	Applications	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)		
							A	B	C
WTI9C3F0-0.360D	WTI01	T0-5	0.009	SILICONE	FIBERGLASS	0.80	0.360	0.040	0.200

RECTANGULAR WITH (1) HOLE, (2) CHAMBERS



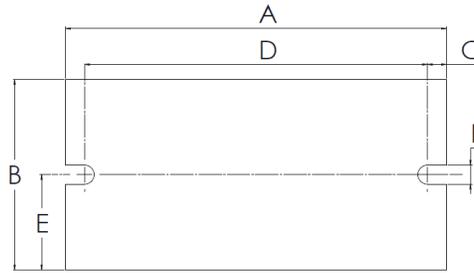
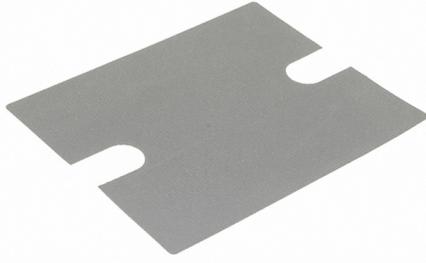
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)				
							A	B	C	D	E
WTI10R1F1-0.87X0.79	WTI06	TO-220	0.010	SILICONE	FIBERGLASS	3.50	0.872	0.790	0.160	0.148	0.118

RECTANGULAR WITH (2) HOLE, (2) CHAMBERS



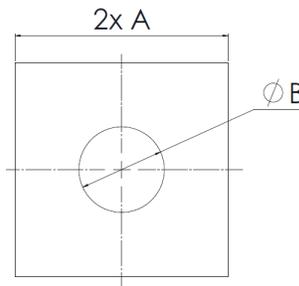
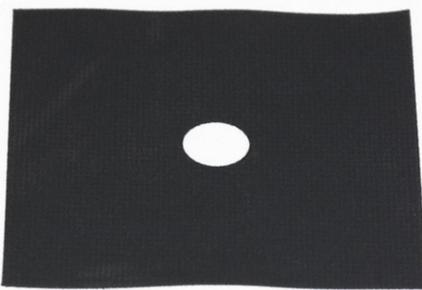
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)						
							A	B	C	D	E	F	G
WTI6D6KD-1.56X1.05	WTI02	VARIOUS	0.006	SILICONE	KAPTON	1.30	1.450	0.840	0.612	0.245	0.960	0.170	0.120

RECTANGULAR WITH (2) SLOTS



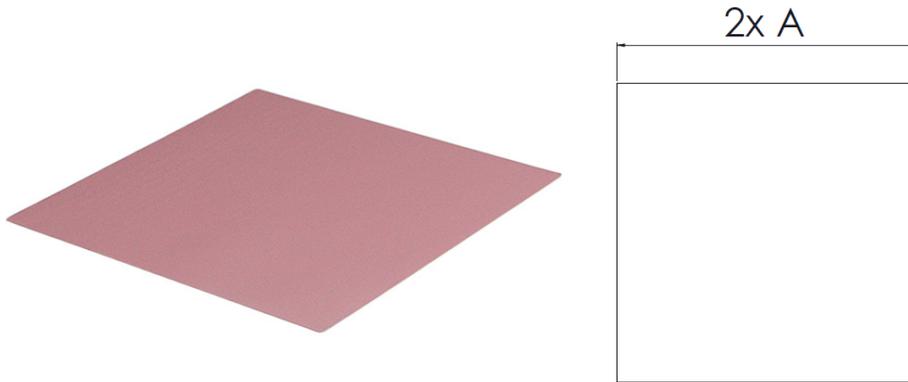
Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)					
							A	B	C	D	E	F
WTC5R0F0-2.50X2.00	WTC00	POWER MODULE	0.005	GRAPHITE	FIBERGLASS	2.00	2.500	2.00	0.344	1.812	1.000	0.156
WTI9R0F1-2.50X2.00	WTI01	POWER MODULE	0.009	SILICONE	FIBERGLASS	0.90	2.500	2.000	0.344	1.812	1.000	0.312

SQUARE WITH (1) HOLE



Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)	
							A	B
WTC5S1F0-1.00X1.00	WTC00	RECTIFIER	0.005	GRAPHITE	FIBERGLASS	2.00	1.000	0.187
WTC5S1A1-1.25X1.25	WTC00	RECTIFIER	0.005	GRAPHITE	ALUMINUM	3.00	1.250	0.200
WTC5S1F0-1.25X1.25	WTC00	RECTIFIER	0.005	GRAPHITE	FIBERGLASS	2.00	1.250	0.200

SQUARE WITHOUT HOLES



Part #	Wakefield Material Number	Application(s)	Thickness (in)	Body Material	Backing Material	Thermal Conductivity (W/mK)	Dimensions (in)
							A
WTC5S0F1-12X12	WTC00	CUT TO SIZE	0.005	GRAPHITE	FIBERGLASS	2.00	12.0
WTC6S0A1-12X12	WTC00	CUT TO SIZE	0.006	GRAPHITE	ALUMINUM	2.50	12.0
WTI7S0F1-12X12	WTC01	CUT TO SIZE	0.007	SILICONE	FIBERGLASS	0.80	12.0
WTI9S0F0-12X12	WTC01	CUT TO SIZE	0.009	SILICONE	FIBERGLASS	0.80	12.0
WTI9S0F1-12X12	WTC05	CUT TO SIZE	0.009	SILICONE	FIBERGLASS	1.60	12.0
WTI10S0F0-12X12	WTC06	CUT TO SIZE	0.010	SILICONE	FIBERGLASS	3.50	12.0
WTI10S0F1-12X12	WTC06	CUT TO SIZE	0.010	SILICONE	FIBERGLASS	3.50	12.0
WTI15S0F0-12X12	WTC06	CUT TO SIZE	0.015	SILICONE	FIBERGLASS	3.50	12.0
WTI5S0F1-12X12	WTC06	CUT TO SIZE	0.015	SILICONE	FIBERGLASS	3.50	12.0
WTI20S0F1-12X12	WTC06	CUT TO SIZE	0.020	SILICONE	FIBERGLASS	3.50	12.0
WTI20S0F0-12X12	WTC06	CUT TO SIZE	0.020	SILICONE	FIBERGLASS	3.50	12.0

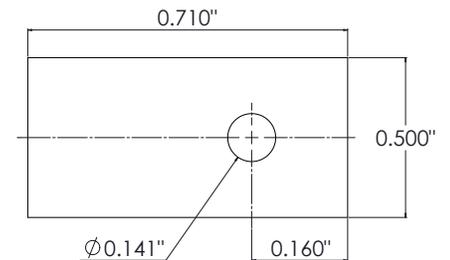
ULTIMIFLUX DIELECTRIC PHASE CHANGE THERMAL MATERIAL

FILLS VOIDS BETWEEN A DEVICE AND THE HEAT SINK AND UTILIZES A POLYIMIDE FILM

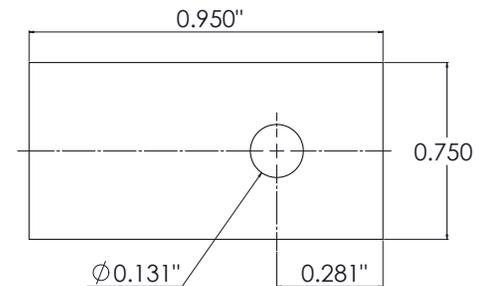
Through the development of this unique formulation, Wakefield Thermal's phase change solution offers efficient thermal transfer by phase changing during normal device operating temperatures while maintaining a uniform bond line thus driving out the air and adjusting for any surface imperfections or flatness conditions that may exist across the interface.

Shelf Life: 3 Years Thickness: 0.003 in
 Phase Temp: 60C° Dielectric Strength: 9200kVA

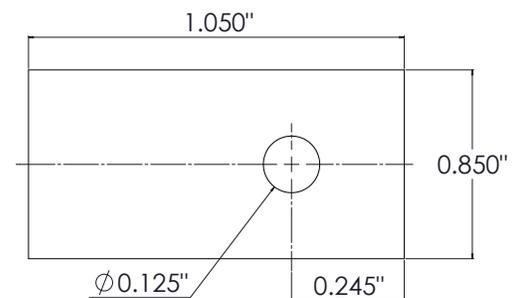
Part #	Description	Size	For Use With
CD-02-05-220	PHASE CHANGE TO-220 PAD WITH MOUNTING HOLE	0.70" X 0.50", SINGLE MOUNTING HOLE	TO -220, WITH MOUNTING HOLES

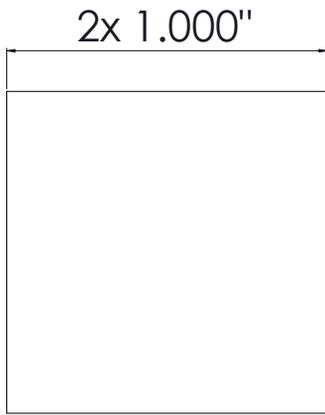


Part #	Description	Size	For Use With
CD-02-05-247	PHASE CHANGE TO-247 PAD WITH MOUNTING HOLE	0.95" X 0.75", SINGLE MOUNTING HOLE	TO -247, WITH MOUNTING HOLES

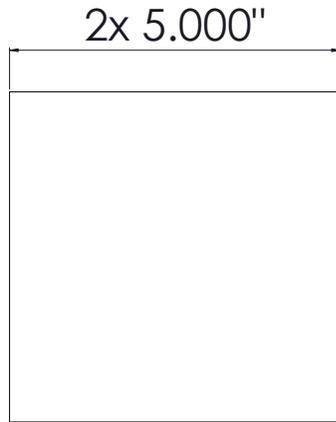


Part #	Description	Size	For Use With
CD-02-05-264	PHASE CHANGE TO-264 PAD WITH MOUNTING HOLE	1.05" X 0.85", SINGLE MOUNTING HOLE	TO -264, WITH MOUNTING HOLES

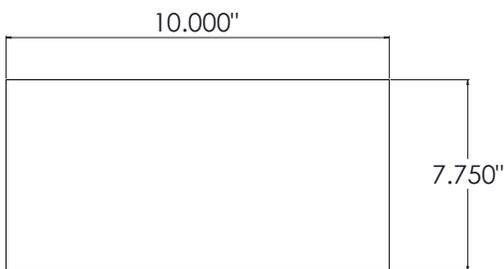




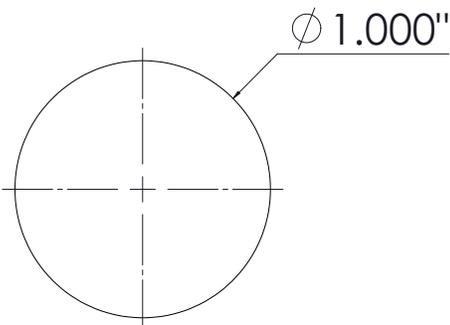
Part #	Description	Size	For Use With
CD-02-05-025	PHASE CHANGE 1"X1" SQUARE PAD	1" X 1", NO HOLES	GENERAL USE



Part #	Description	Size	For Use With
CD-02-05-127	PHASE CHANGE 5" X 5" SQUARE PAD	5" X 5", NO HOLES	GENERAL USE

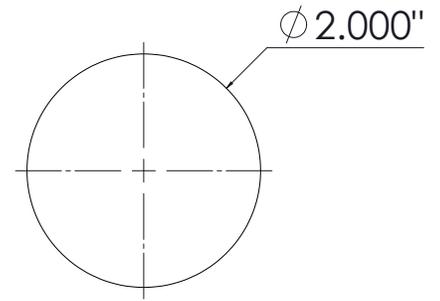


Part #	Description	Size	For Use With
CD-02-05-190	PHASE CHANGE 7.75" X 10.00" RECTANGULAR PAD	7.75" X 10.00", NO HOLES	GENERAL USE

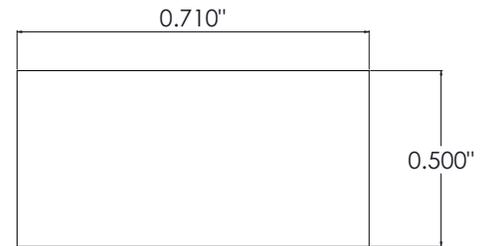


Part #	Description	Size	For Use With
CD-02-05-LED-1	PHASE CHANGE LED 1 INCH OD CIRCLE PAD	1.00" DIAMETER CIRCLE, NO ID	LED

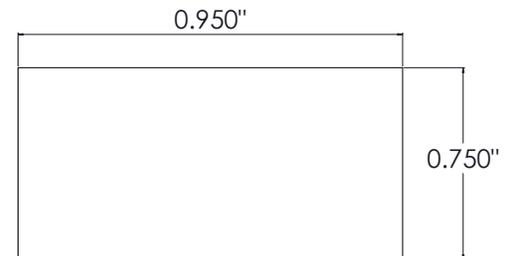
Part #	Description	Size	For Use With
CD-02-05-LED-2	PHASE CHANGE LED 2 INCH OD CIRCLE PAD	2.00" DIAMETER CIRCLE, NO ID	LED



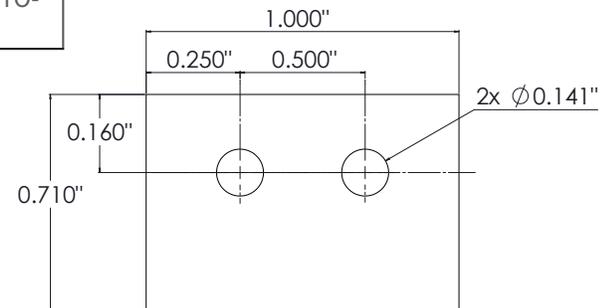
Part #	Description	Size	For Use With
CD-02-05-220-N	PHASE CHANGE TO- 220 PAD, NO HOLE	0.70" X 0.50" NO HOLE	TO -220 WITH NO MOUNTING HOLE

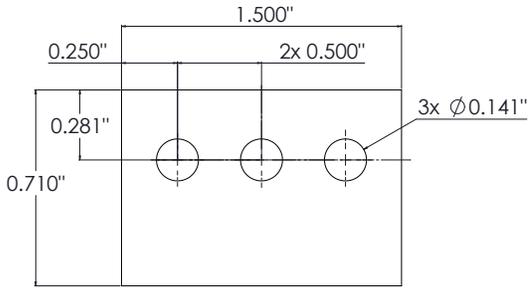


Part #	Description	Size	For Use With
CD-02-05-247-N	PHASE CHANGE TO- 247 PAD, NO HOLE	0.95" X 0.75" NO HOLE	TO-247 WITH NO MOUNTING HOLE

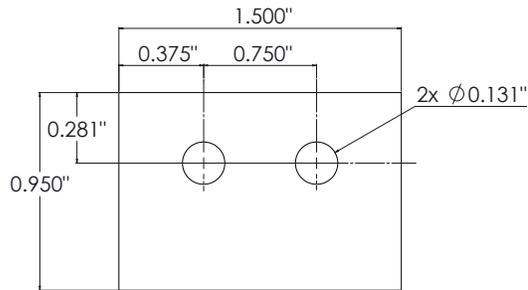


Part #	Description	Size	For Use With
CD-02-05-220-2	PHASE CHANGE DUAL MOUNT TO-220 PAD, 2 HOLES	1.00" X 0.50" 2 HOLES	DUAL MOUNT TO- 220

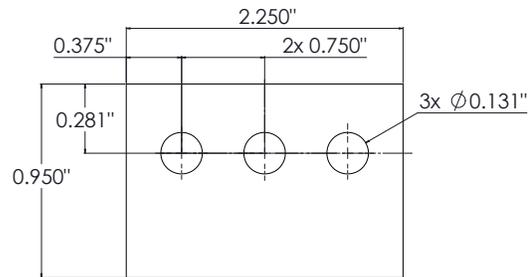




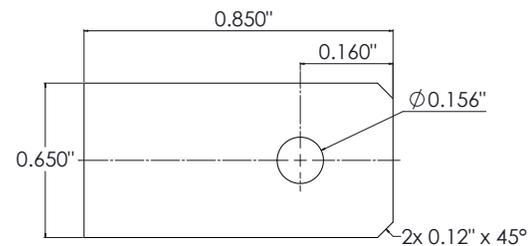
Part #	Description	Size	For Use With
CD-02-05-220-3	PHASE CHANGE TRIPLE MOUNT TO-220 PAD, 3 HOLES	1.50" X 0.50", 3 HOLES	TRIPLE MOUNT TO-220



Part #	Description	Size	For Use With
CD-02-05-247-2	PHASE CHANGE DUAL MOUNT TO-247 PAD, 2 HOLES	1.50" X 0.95", 2 HOLES	DUAL MOUNT TO-247

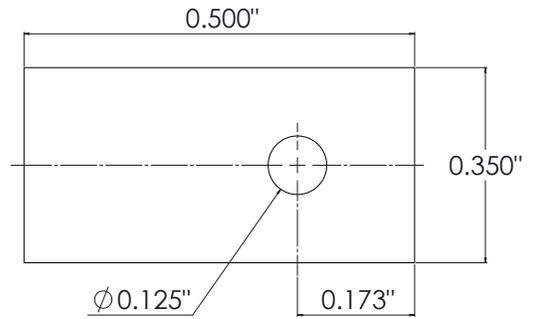


Part #	Description	Size	For Use With
CD-02-05-247-3	PHASE CHANGE TRIPLE MOUNT TO-247 PAD, 3 HOLES	2.25" X 0.95", 3 HOLES	TRIPLE MOUNT TO-247

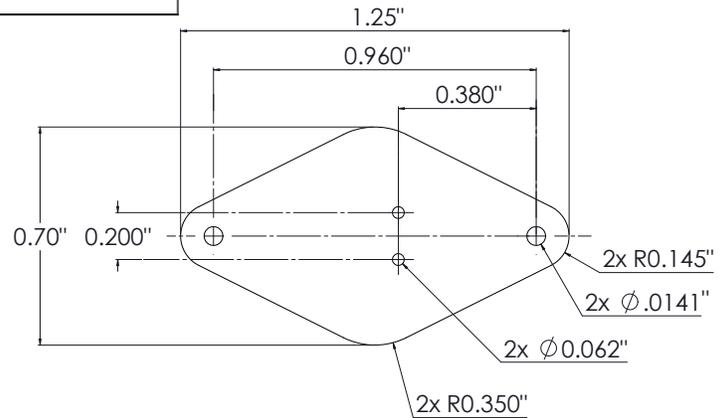


Part #	Description	Size	For Use With
CD-02-05-218	PHASE CHANGE TO-218 PAD WITH HOLE	0.80" X 0.60" WITH HOLE	TO -218 WITH MOUNTING HOLE

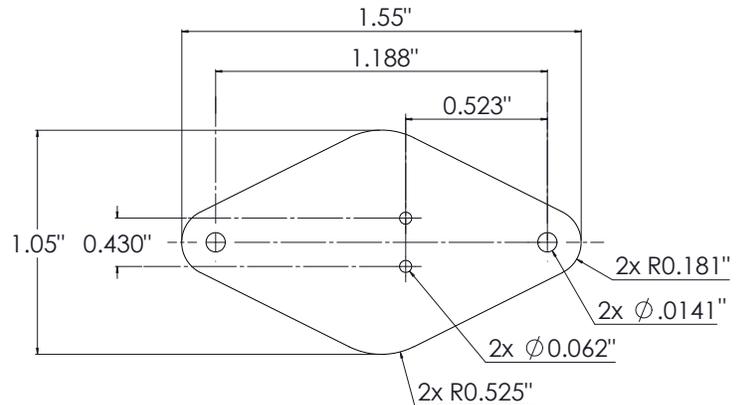
Part #	Description	Size	For Use With
CD-02-05-126	PHASE CHANGE TO-126 PAD WITH HOLE	0.50" X 0.35" WITH HOLE	TO -126 WITH MOUNTING HOLE



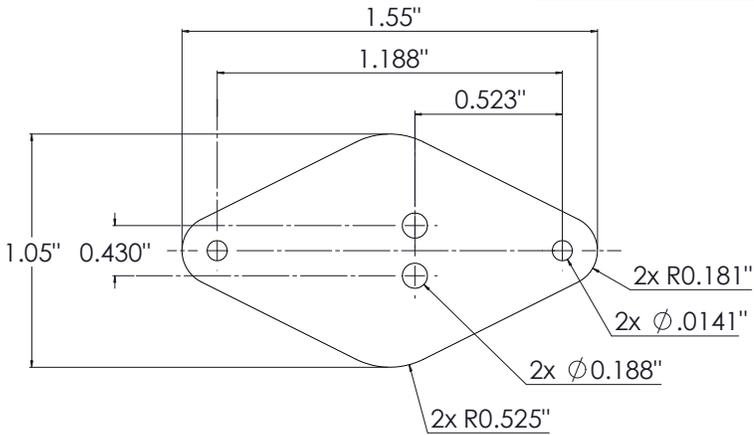
Part #	Description	Size	For Use With
CD-02-05-66	PHASE CHANGE TO-66 PAD, 2 PIN	1.25" X 0.70", 2 PIN	TO-66 (STD 2 PIN)



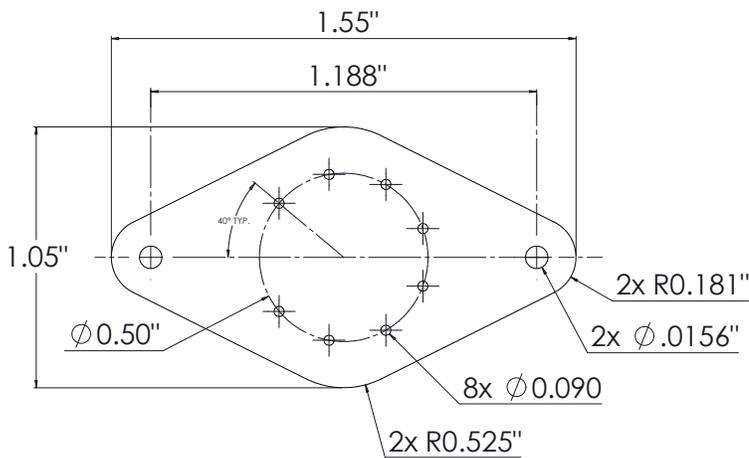
Part #	Description	Size	For Use With
CD-02-05-3-2	PHASE CHANGE TO-3 PAD, 2 PIN	1.55" X 1.05", 2 PIN	TO -3 (2 PIN CONFIGURATION)



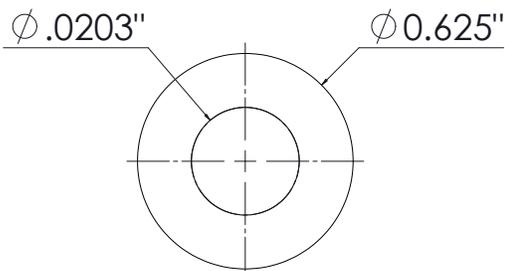
Part #	Description	Size	For Use With
CD-02-05-3-4	PHASE CHANGE TO-3 PAD, 4 PIN	1.55" X 1.05", 4 PIN	TO-3 (4 PIN CONFIGURATION)



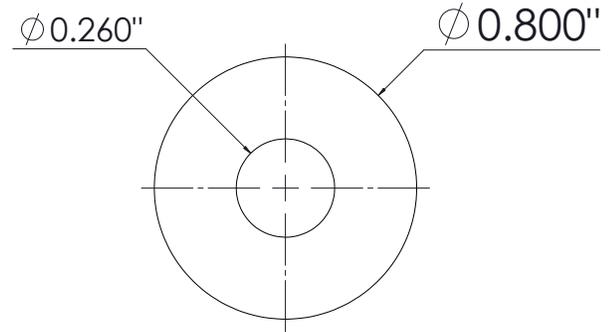
Part #	Description	Size	For Use With
CD-02-05-3-8	PHASE CHANGE TO-3 PAD, 8 PIN	1.55" X 1.05", 8 PIN	TO-3 (8 PIN CONFIGURATION)



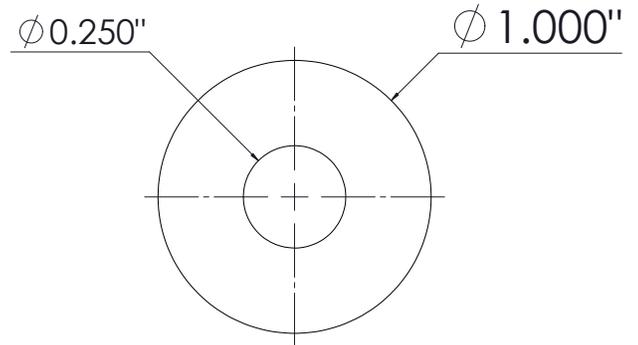
Part #	Description	Size	For Use With
CD-02-05-DO4	PHASE CHANGE DO-4 PAD, 0.625" OD / 0.203" ID	0.625" OD / 0.203" ID	DO-4



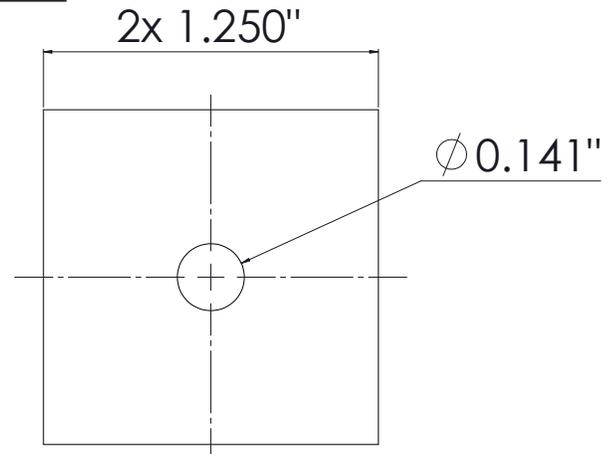
Part #	Description	Size	For Use With
CD-02-05-DO4-5	PHASE CHANGE DO4/5 PAD 0.800" OD / 0.260" ID	0.800" OD / 0.260" ID	DO -4 / DO DO-5

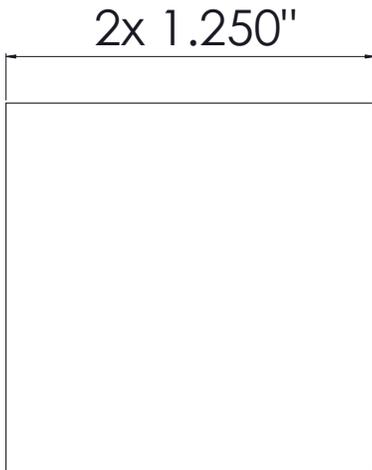


Part #	Description	Size	For Use With
CD-02-05-DO5	PHASE CHANGE DO-5 PAD 1.00" OD / 0.250" ID	1.00" OD / 0.250" ID	DO-5

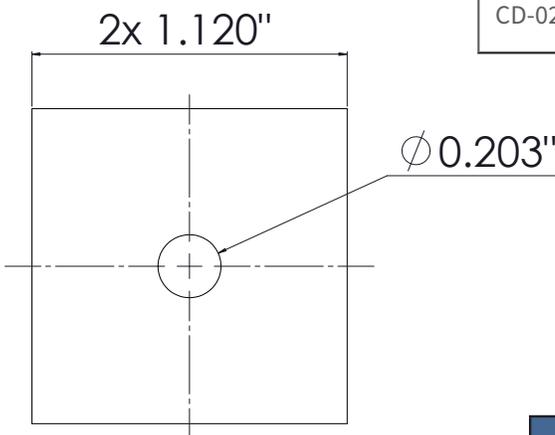


Part #	Description	Size	For Use With
CD-02-05-REC-125	PHASE CHANGE RECTIFIER PAD 1.25" X 1.25" WITH HOLE	1.25" X 1.25" WITH HOLE	RECTIFIER

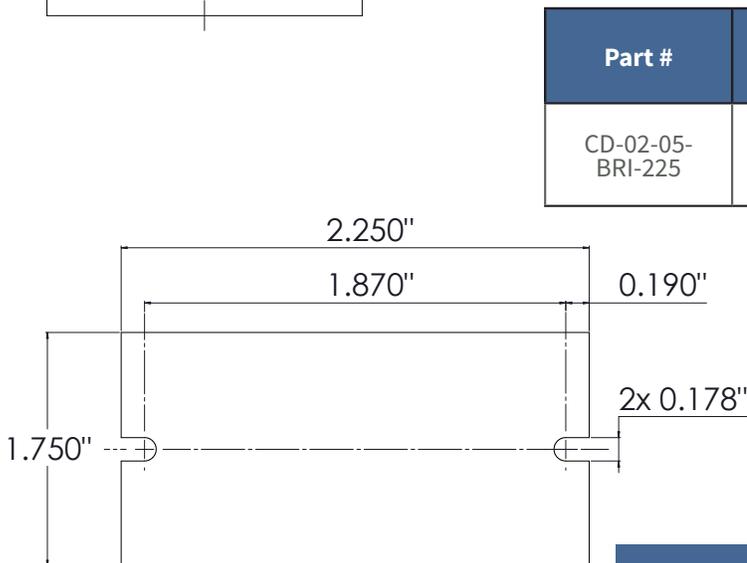




Part #	Description	Size	For Use With
CD-02-05-REC-125-N	PHASE CHANGE RECTIFIER PAD 1.25" X 1.25", NO HOLE	1.25" X 1.25", NO HOLE	RECTIFIER

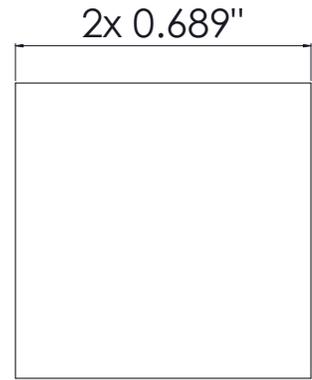


Part #	Description	Size	For Use With
CD-02-05-REC-112	PHASE CHANGE RECTIFIER PAD 1.12" X 1.12" WITH HOLE	1.12" X 1.12" WITH HOLE	RECTIFIER

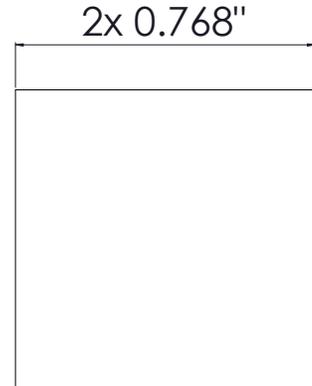


Part #	Description	Size	For Use With
CD-02-05-BRI-225	PHASE CHANGE BRIDGE RECTIFIER PAD 2.25" X 1.75", 2 END SLOTS	2.25" X 1.75", 2 END SLOTS	BRIDGE RECTIFIER

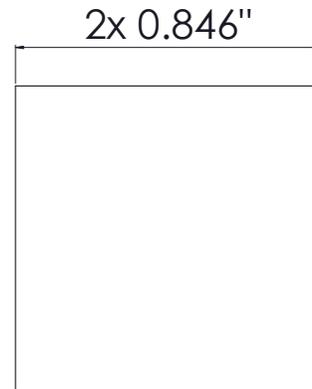
Part #	Description	Size	For Use With
CD-02-05-C-18	PHASE CHANGE CHIPSET PAD 0.689" X 0.689", NO HOLE	0.689" X 0.689", NO HOLE	17.5MM X 17.5MM, CHIPSET



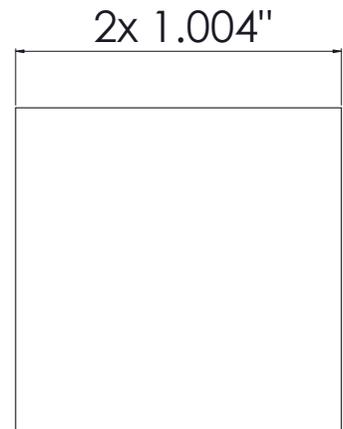
Part #	Description	Size	For Use With
CD-02-05 -C-20	PHASE CHANGE CHIPSET PAD 0.768" X 0.768", NO HOLE	0.768" X 0.768", NO HOLE	19.5MM X 19.5MM, CHIPSET



Part #	Description	Size	For Use With
CD-02-05-C-22	PHASE CHANGE CHIPSET PAD 0.846" X 0.846", NO HOLE	0.846" X 0.846", NO HOLE	21.5MM X 21.5MM, CHIPSET



Part #	Description	Size	For Use With
CD-02-05-C-26	PHASE CHANGE CHIPSET PAD 1.003" X 1.003", NO HOLE	1.003" X 1.003", NO HOLE	25.5MM X 25.5MM, CHIPSET

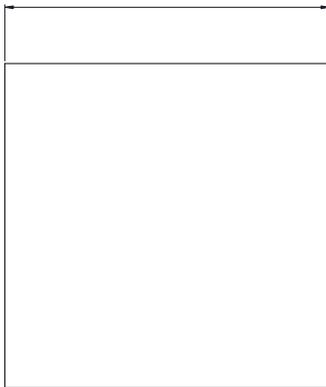


2x 1.319"



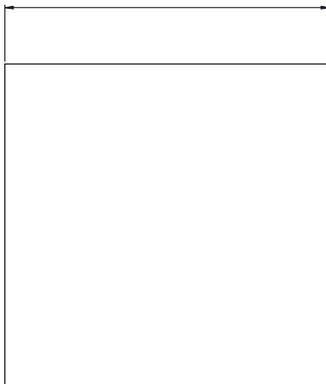
Part #	Description	Size	For Use With
CD-02-05-C-34	PHASE CHANGE CHIPSET PAD 1.319" X 1.319", NO HOLE	1.319" X 1.319", NO HOLE	33.5MM X 33.5MM, CHIPSET

2x 1.909"



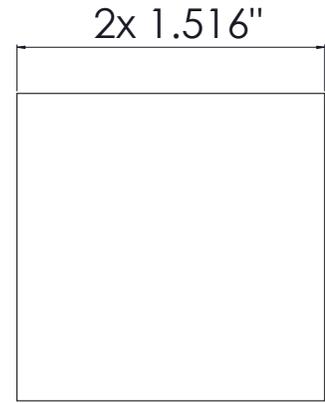
Part #	Description	Size	For Use With
CD-02-05-C-49	PHASE CHANGE CHIPSET PAD 1.909" X 1.909", NO HOLE	1.909" X 1.909", NO HOLE	48.5MM X 48.5MM, CHIPSET

2x 2.106"

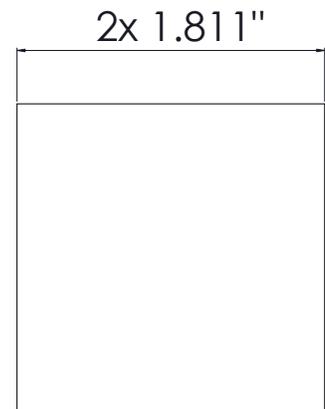


Part #	Description	Size	For Use With
CD-02-05-C-54	PHASE CHANGE CHIPSET PAD 2.106" X 2.106", NO HOLE	2.106" X 2.106", NO HOLE	53.5MM X 53.5MM, CHIPSET

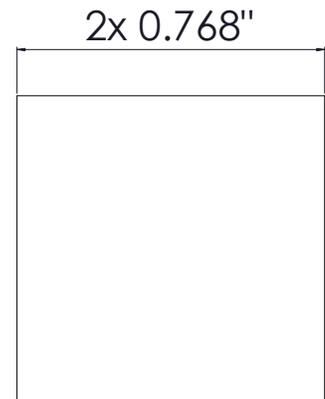
Part #	Description	Size	For Use With
CD-02-05-C-39	PHASE CHANGE CHIPSET PAD 1.516" X 1.516", NO HOLE	1.516" X 1.516", NO HOLE	38.5MM X 38.5MM, CHIPSET



Part #	Description	Size	For Use With
CD-02-05-C-46	PHASE CHANGE CHIPSET PAD 1.811" X 1.811", NO HOLE	1.811" X 1.811", NO HOLE	46MM X 46MM, CHIPSET



Part #	Description	Size	For Use With
CD-02-05 -C-20	PHASE CHANGE CHIPSET PAD 0.768" X 0.768", NO HOLE	0.768" X 0.768", NO HOLE	19.5MM X 19.5MM, CHIPSET



ULTIMIFLUX

THERMAL GAP FILLING

There are many types of TIMs and each has its best case usages. Wakefield Thermal's line of thermal gap filling pads are intended to fill a large void between a device and the heat sink. A gap pad is a compressible material most commonly used when there are multiple devices to be contacted to the heat sink, but all the different device heights make it difficult to use a thin material. These materials come in a variety of thicknesses, conductivities, and durometers to meet a wide range of needs.

SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER (GRAY)

Part #	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-1-254	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-05-1-1016	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-1-1-254	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-1-1-1016	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-2-1-254	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-2-1-1016	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5



SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER (GREEN)

Part #	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-3-254-H	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-05-3-1016-H	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-05-3-254	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35



SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER (GREEN) CONT.

Part #	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-3-1016	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35
PL-1-3-254-H	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-1-3-1016-H	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-1-3-254	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35
PL-1-3-1016	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35
PL-2-3-254-H	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-2-3-1016-H	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-2-3-254	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35
PL-2-3-1016	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35



SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER (GOLD)

Part #	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-5-254-H	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-05-5-1016-H	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-05-5-254	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-05-5-1016	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-1-5-254-H	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-1-5-1016-H	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-1-5-254	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-1-5-1016	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-2-5-254-H	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-2-5-1016-H	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-2-5-254	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-2-5-1016	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45





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