

The Original Fiberglass Based Sil-Pad

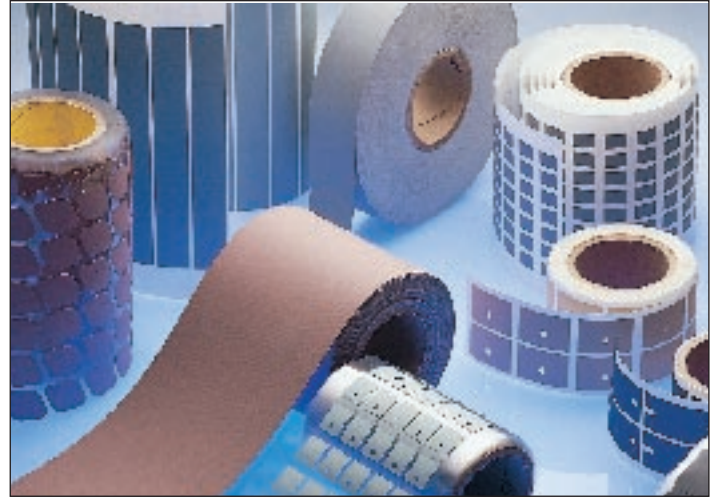
SIL-PAD 400

Sil-Pad 400 is the original Sil-Pad material. Sil-Pad 400 is a composite of silicone rubber and fiberglass. It is flame retardant and is specially formulated for use as a thermally conductive insulator. Primary use is to electrically isolate power sources from heat sinks.

Sil-Pad 400 has excellent mechanical and physical characteristics. Surfaces are pliable and allow complete surface contact with excellent heat dissipation. Sil-Pad 400 actually improves its thermal resistance with age. The reinforcing fiberglass gives excellent cut-through resistance and Sil-Pad 400 is non-toxic and resists damage from cleaning agents.

SIL-PAD 600

Sil-Pad 600 is a silicone elastomer filled with special ingredients to provide higher thermal performance. This material has similar physical characteristics of the Sil-Pad 400 material with enhanced thermal performance.

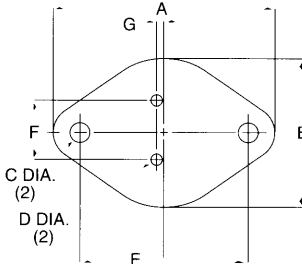
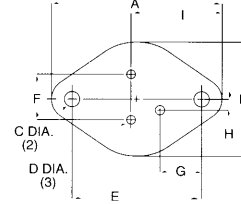
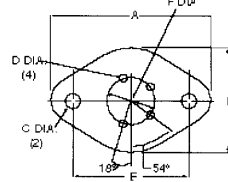
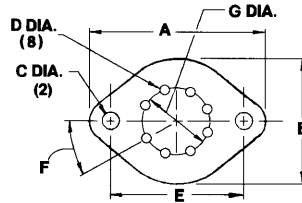
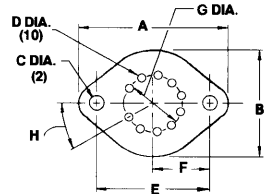
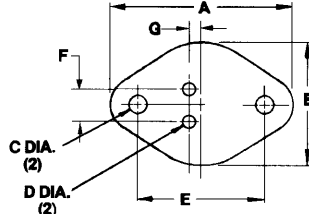
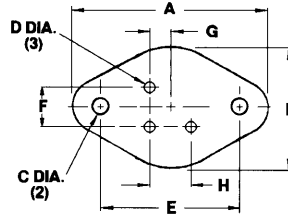


Special Thicknesses, Rolls and Sheets

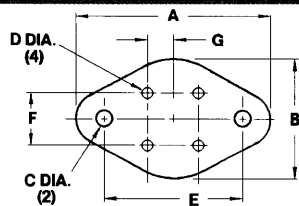
Sil-Pad 400 can be supplied on special order in a variety of thicknesses from .007 to .045 inches to fulfill special requirements of insulation path minimums or other spacing needs. Sil-Pad 400 and 600 are available in die-cut parts, sheets (6" x 6" min., 6" x 12", 8" x 8", 10" x 10" and 12" x 12") and roll form.

Physical Properties	Sil-Pad 400, .007 in.	Sil-Pad 400, .009 in	Sil-Pad 600	Test Method
Color	Gray	Gray	Green	
Thickness Inches (mm)	.007 ± .001" 0.178 ± 0.025	.009 ± .001" .229 ± .025	.009 ± .001" .229 ± .025	ASTM D 374
Breaking Strength Lbs/inch (kN/m)	100 (18)	100 (18)	100 (18)	ASTM D 1458
Elongation, % 45° to warp and fill	40	40	40	ASTM D 412
Hardness, Shore A	85	85	85	ASTM D 2240
Tensile Strength, kPsi (MPa) 45° to warp and fill		3 (20)	3 (20)	ASTM D 412
Continuous Use Temp., °C	-60 to +180	-60 to +180	-60 to +180	
Specific Gravity	2.0	2.0	1.8	ASTM D 792
Construction	Silicone/Fiberglass	Silicone/ Fiberglass		
Thermal Vacuum Weight Loss % (TML) as manufactured	.40	.40		NASA
Post Cure 24 Hrs. 400 °F	.25	.25		SP-R-0022A
Volatile Condensable Material % (CVCM) as manufactured	.11	.11		NASA
Post Cure 24 Hrs. 400°F	.07	.07		SP-R-0022A
Thermal Properties	Sil-Pad 400, .007 in.	Sil-Pad 400, .009 in	Sil-Pad 600	Test Method
Thermal Resistance, °C-in ² /W	0.45	0.50	0.35	ASTM D 5470
Thermal Conductivity, W/m-K	0.9	0.9	1.0	ASTM D 5470
Electrical Properties	Sil-Pad 400, .007 in.	Sil-Pad 400, .009 in	Sil-Pad 600	Test Method
Breakdown Voltage, Volts a-c Min.	3500	4500	4500	ASTM D 149
Dielectric Constant, 1000 Cps (Hz)	5.5	5.5	5.0	ASTM D 150
Volume Resistivity, Ohm Metre	1.0 x 10 ¹¹	1.0 x 10 ¹¹	1.0 x 10 ¹¹	ASTM D 257

Configurations Standard des SIL-PAD®

	Boîtier	Suffixe	en mm								
	TO-3	du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"		
		-03	39.70	26.67	3.56	2.03	30.15	10.92	1.83		
		-18	39.70	26.67	3.56	3.56	30.15	10.92	1.83		
		-23	40.46	26.67	3.96	1.57	30.15	10.92	1.83		
		-29	27.05	27.05	3.56	1.17	30.15	10.92	1.83		
		-04	41.91	28.96	3.10	1.57	30.15	10.92	1.83		
		-05	41.91	28.96	3.56	2.36	30.15	10.92	1.83		
		-06	41.91	28.96	4.19	1.57	30.15	10.92	1.83		
		-17	41.91	28.96	3.56	1.17	30.15	10.92	1.83		
		-59 sans patte	41.91	28.96	4.19		30.15				
		-24	43.18	30.15	3.96	1.57	30.15	10.92	1.83		
		-02	45.21	31.75	3.56	2.36	30.15	10.92	1.83		
		-07	45.21	31.75	4.19	2.39	30.15	10.92	1.83		
		-15	45.21	31.75	3.56	1.17	30.15	10.92	1.83		
		-16	52.58	39.62	3.10	1.57	30.15	10.92	1.83		
	TO-3 3 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
		-92	41.91	28.96	3.56	2.36	30.15	10.92	10.16	3.94	18.24
	TO-3 4 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	
		-86	1.560	26.67	3.96	2.03	29.72	11.94	18°	59°	
		-87	1.563	26.67	3.96	1.60	30.15	11.94	18°	59°	
	TO-3 8 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"		
		-88	42.04	30.15	3.96	1.52	30.15	40°	12.7		
	TO-3 10 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	
		-91	41.91	28.96	4.19	1.02	30.15	15.06	12.7	32.7°	
	Boîtier TO-66	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"		
		-30	31.75	17.78	3.56	1.57	24.38	5.08	2.54		
		-11	33.32	19.35	3.56	1.57	24.38	5.08	2.54		
		-31	33.32	19.35	3.56	1.57	24.38	5.08	2.54		
		-10	36.58	25.40	3.56	1.90	24.38	5.08	2.54		
	TO-66 3 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"I"	
		-85	32.38	19.05	3.96	2.54	24.38	5.08	2.54	5.08	

Configurations Standard des SIL-PAD®

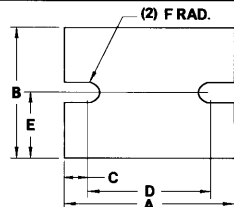
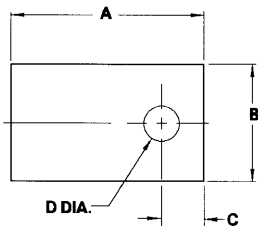


TO-66
4 cond.

Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"
-84	33.32	19.35	3.57	1.57	24.38	5.08	2.54

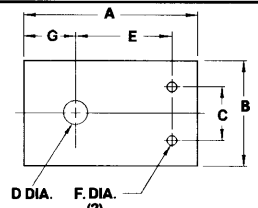
Composant
puissance
plastique

Suffixe du n° d'article	"A"	"B"	"C"	"D"	Suffixe du n° d'article	"A"	"B"	"C"	"D"
TO-126	-50	11.10	7.92	3.56	Divers	-62	19.05	15.24	6.10
TO-126	-60	11.10	7.92	3.56	Divers	-63	19.05	15.24	6.10
Divers	-64	12.7	9.78	4.32	Divers	-56	21.72	14.27	5.54
TO-220	-55	15.49	14.22	6.22	Divers	.52	21.72	16.00	5.84
Divers	-51	17.45	14.28	5.54	TO-218	.90	21.84	18.80	5.08
Divers	-35	18.03	12.7	4.06	Divers	-68	28.58	15.88	5.08
Divers	-61	19.05	.410	5.72	Divers	-70	13.56	20.57	9.02
TO-220(montage à clip)	-43	19.05	12.7		Divers	-102	22.00	16.51	5.51
TO-220	-54	19.05	12.7	4.75	Divers	-103	19.05	20.32	3.81
TO-220	-58	19.05	12.7	4.75	TO-3P	-104	1.000	19.05	7.62



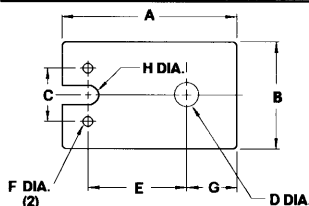
Module de
Puissance

Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"
-67	38.1	22.86	3.81	30.48	11.43	1.90
-101	63.5	5.08	8.74	46.02	25.4	3.96



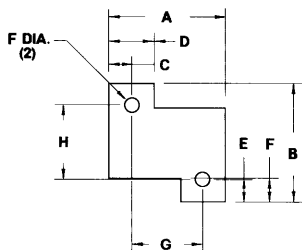
Module de
puissance
plastique

Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"
-57	23.11	12.7	5.08	3.18	14.73	1.17	6.73
-89	24.97	19.05	10.97	3.96	16.89	2.56	5.51



Module de
puissance
plastique

Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
-66	25.4	12.7	5.08	3.58	15.90	1.17	5.56	0.81

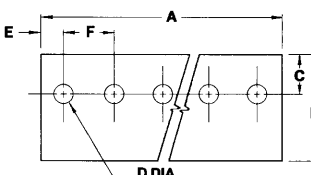


Résistances de
puissance

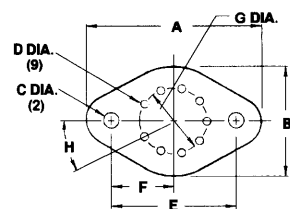
Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
RH-25	-94	14.75	31.75	5.94	11.91	5.38	3.96	18.26	19.84
RH-50	-95	22.36	32.13	6.73	13.46	5.33	6.48	39.70	21.46
RH-5	-96	18.42	19.58	3.56	7.11	3.56	3.96	11.30	12.47
RH-10	-97	20.48	22.61	3.22	6.35	3.30	4.83	14.00	16.00
RH-25	-98	29.21	29.97	5.87	10.80	4.83	6.86	17.48	20.32
RH-50	-99	1.965	31.39	5.03	10.26	3.35	6.68	39.85	24.69

TO-220
Multiples

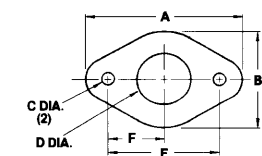
Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	Trous
2 éléments	-34	25.40	19.05	4.75	3.18	6.35	12.7
3 éléments	-36	38.10	19.05	4.75	3.18	6.35	12.7
	-37	50.80	19.05	4.75	3.18	6.35	12.7
	-38	63.50	19.05	4.75	3.18	6.35	12.7
	-39	76.20	19.05	4.75	3.18	6.35	12.7
	-40	88.90	19.05	4.75	3.18	6.35	12.7
	-41	101.60	19.05	4.75	3.18	6.35	12.7



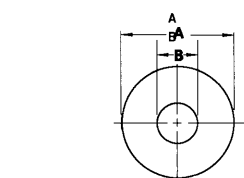
Configurations Standard des SIL-PAD®



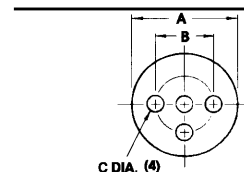
TO-66 9 cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	en mm		"E"	"F"	"G"	"H"
	-83	36.58	25.40	3.56	1.40	24.38	12.19	.325			36°



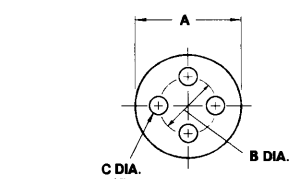
TO-66 Multi-cond.	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"
	-93	34.29	20.32	3.56	10.16	24.38	12.19



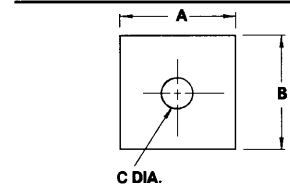
Composant puissance plastique	Suffixe du n° d'article	"A"	"B"		Suffixe du n° d'article	"A"	"B"
Divers	-75	9.14	6.60	Divers	-27	20.62	2.92
Divers	-19	12.95	3.56	Divers	-27	20.62	2.92
DO-4	-20	12.95	5.08	DO-8	-78	22.22	7.95
Divers	-82	13.00	4.09	Divers	-28	25.40	3.56
DO-4(surdimensionné)	-22	15.88	5.08	DO-5(surdimensionné)	-25	25.40	6.60
Divers	-76	19.05	3.18	Divers	-79	29.97	13.08
Divers	-77	20.32	4.82	Divers	-80	31.75	9.65
DO-5	-21	20.32	6.60	Divers	-81	38.10	5.08



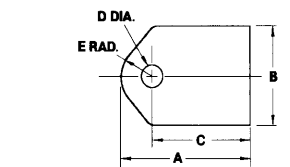
TO-36	Suffixe du n° d'article	"A"	"B"	"C"	"D"
	-08	27.00	17.53	4.83	4.83



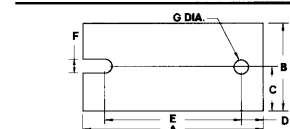
Petit module de puissance	Suffixe du n° d'article	"A"	"B"	"C"
TO-18, 3 trous	-12	6.35	2.54	0.91
TO-18, 4 trous	-13	6.35	2.54	0.91
TO-5, 3 trous	-09	9.14	5.08	1.02
TO-5, 4 trous	-33	9.14	5.08	1.02
TO-5, 3 trous	-44	9.91	5.08	1.02
TO-5, 4 trous	-45	9.91	5.08	1.02



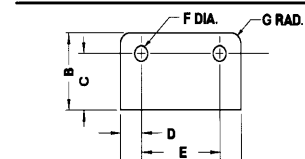
Redresseur	Suffixe du n° d'article	"A"	"B"	"C"
	-48	25.40	25.40	4.75
	-47	28.58	28.58	3.56
	-46	31.75	31.75	5.08



Ensembles TIP	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"
TIP-36 plastique	-53	21.97	16.51	16.51	3.56	5.21
Montage à clip	-42	24.99	19.99			5.21
Clip plastique	-73	24.99	19.99	17.98	3.61	5.21



Module de Puissance	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"
	-100	63.75	32.00	16.00	7.75	48.26	5.21	5.21



Ensemble SIP	Suffixe du n° d'article	"A"	"B"	"C"	"D"	"E"	"F"	"G"
	-105	36.83	2.28	15.54	6.22	24.38	4.32	3.05