



B

Fig.	Description	Dimensions – Inch (mm) L x W x H	Thermal Resist. °C/W	Digi-Key Part No.	Price Each 100	Mfg. Part No.
19	TO-220, Power Cooler, Black	1.38 x .50 x 1.00 (35.05 x 12.70 x 25.40)	13.4	HS231-ND	1.11	531002B00000
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS131-ND	1.40	531102C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 1.50 (35.05 x 12.70 x 38.10)	10.4	HS131-P-ND	1.69	531102C02500
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS132-ND	1.43	531202C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS132-P-ND	1.78	531202C02500
19	TO-220, Power Cooler, 9.0W, Black	1.38 x .50 x 2.00 (35.05 x 12.7 x 50.8)	8.3	HS287-ND	1.34	531202B00000
19	TO-220, Power Cooler, With Pins, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.3	HS241-ND	1.39	531202B02500
19	TO-220, Vertical Power, 10W, Screw Mount, Black	1.65 x 1.0 x 1.5 (41.91 x 25.4 x 38.1)	2.5	HS276-ND	1.39	529802B00000
19	TO-220, Power Cooler, With Pins, Black	1.65 x 1.00 x 2.00 (41.91 x 25.40 x 50.80)	3.4	HS229-ND	1.88	529902B02500
19	TO-220, Power Cooler, With Pins, 9.0W, Black	1.38 x .50 x 2.5 (35.05 x 12.7 x 63.5)	8.0	HS290-ND	1.43	531302B00000
19	TO-220, Power Cooler, Screw Mount, Gold	1.38 x .50 x 2.50 (35.05 x 12.70 x 63.50)	8.0	HS133-ND	1.71	531302C00000
19	TO-220, Power Cooler, With Pins, Gold	1.38 x .50 x 2.50 (35.05 x 12.70 x 63.50)	8.0	HS133-P-ND	1.67	531302C02500
19	TO-220, Power Cooler, With Pins, Black	1.65 x 1.00 x 2.50 (41.91 x 25.40 x 63.50)	3.8	HS239-ND	1.75	530002B02500
21	TO-220, Staggered High Rise Fins, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	16.8	HS151-ND	1.75	530402B00150
22	TO-220, Twisted High Rise Fins, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	6.3	HS152-ND	1.75	530102B00150
22	TO-220, Dual Mount, With Kool Clip, Black	1.75 x .50 x 1.75 (44.45 x 12.70 x 44.45)	4.4	HS249-ND	1.96	530162B00162
23	TO-220, 2W Extended Cap For HS114, Black	1.75 x .70 x .50 (17.78 x 44.45 x 12.70)	15.6	HS113-ND	.42	507102B00000
24	TO-220, Vertical Mount Clip-On Cooler, With 1 Mount Hole, Black	.75 x .86 x .395 (19.05 x 21.84 x 10.03)	23.2	HS111-ND	.39	574102B00000
24	TO-220, Vertical Mount Clip-On Cooler, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS198-ND	.38	574502B00000
24	TO-220, Horizontal Mount Clip-On, PC Mount, With Std. Tabs, Blk	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	23.2	HS197-ND	.85	574402B03200
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Long Tabs, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS200-ND	.53	574502B03300
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Long Tabs, Black	.86 x .395 x 1.375 (21.84 x 10.03 x 34.93)	16.0	HS204-ND	.72	574902B03300
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Stepped Tabs, Black	.86 x .395 x .75 (21.84 x 10.03 x 19.05)	21.2	HS201-ND	.56	574502B03700
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Stepped Tabs, Black	.86 x .395 x .69 (21.84 x 10.03 x 17.53)	21.6	HS203-ND	.67	574602B03700
24	TO-220, Vertical Mount Clip-On, PC Mount, w/Standard Tabs, Black	.86 x .395 x 1.375 (21.84 x 10.03 x 34.93)	16.0	HS205-ND	.99	574902B04300
25	TO-220, Snap Down, 5W, Black	.75 x 1.12 x .435 (19.05 x 28.45 x 11.05)	16.9	HS116-ND	.52	575102B00000
25	TO-220, Snap-Down With Built-In Clip, For Standard TO-220s, Black	.975 x .44 x .75 (24.77 x 11.18 x 19.05)	16.8	HS220-ND	.47	579302B00000
25	TO-220, Snap-Down With Built-In Clip, For Tapered TO-220s, Black	.975 x .44 x .75 (24.77 x 11.18 x 19.05)	16.8	HS221-ND	.51	579402B00000
26	TO-220, High Performance PC Mount, With Tabs, Black	1.00 x 1.00 x 1.675 (25.40 x 25.40 x 42.55)	10.0	HS222-ND	1.04	590102B03600
27	TO-220, SlimLine High Performance, Horizontal Mount, Black	1.00 x .787 x 1.45 (25.40 x 19.99 x 36.83)	12.4	HS193-ND	.66	551002B00000
28	TO-220, Slide-On, Horizontal PC Mount, With Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS150-ND	.55	576802B03100
28	TO-220, Slide-On, 5W, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS121-ND	.54	576802B00000
28	TO-220, Slide-On, 5W, Unfinished	.50 x .50 x .60 (12.70 x 12.70 x 15.24)	26.8	HS237-ND	.63	591202U00000
28	TO-220, Slide-On, 5W, Black	.50 x .50 x .60 (12.70 x 12.70 x 15.24)	26.8	HS333-ND	.68	591202B00000
28	TO-220, Slide-On, Vertical PC Mount, With Wide Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS209-ND	.58	576802B03700
28	TO-220, Slide-On, Vertical PC Mount, With Long Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS210-ND	.59	576802B03900
28	TO-220, Slide-On, Vertical PC Mount, With Standard Tabs, Black	.50 x .50 x .75 (12.70 x 12.70 x 19.05)	18.8	HS211-ND	.57	576802B04100
28	TO-220, Slide-On, Vertical PC Mount, With SureLock Tabs, Black	.57 x .50 x .75 (14.48 x 12.70 x 19.05)	26.8	HS223-ND	.72	591302B02800
28	TO-220, Slide-On, Vertical PC Mount, With Standard Tabs, Black	.75 x .50 x .50 (19.05 x 12.70 x 12.70)	18.8	HS122-ND	.53	576802B04000
28	TO-220, Slide-On, Vertical PC Mount, With SureLock Tabs, Black	.95 x 1.00 x 1.22 (24.13 x 25.40 x 30.99)	11.5	HS240-ND	1.48	566010B02800
29	TO-220, Economy Power Cooler, Lightweight, Black	1.00 x .50 x .71 (25.40 x 12.70 x 18.03)	20.3	HS189-ND	.42	530714B00000
29	TO-220, Power Cooler, 10W, Black	.78 x .85 x 1.45 (19.81 x 21.59 x 36.83)	6.4	HS104-2-ND	.61	504222B00000
29	TO-220, Power Cooler, 6W, Black	.70 x .70 x .85 (17.78 x 17.78 x 21.59)	15.6	HS104-1-ND	.45	504102B00000
30	TO-220, Basic Manual Attachment, Low Profile, Black	.70 x 1.75 x .380 (17.78 x 44.45 x 9.65)	15.6	HS112-ND	.39	507002B00000
31	TO-220, Dual Basic Manual Attachment, Horizontal Mount, Black	1.45 x 1.75 x .375 (36.83 x 44.45 x 9.53)	9.6	HS114-ND	.70	507222B00000
32	TO-220, Twisted Fin, Vertical PC Mount, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.4	HS120-ND	.79	593002B03400
32	TO-220, Twisted Fin, With SureLock Tabs and Kool Clip, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.0	HS232-ND	1.32	534202B02853
32	TO-220, Twisted Fin, Vertical, With Tabs and Kool Clip, Black	1.00 x .50 x 1.18 (25.40 x 12.70 x 29.97)	13.0	HS233-ND	1.57	534202B33453
33	TO-220, Spacesaver, Vertical Mount, With Tabs, Black	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	10.0	HS225-ND	.90	593202B03500
33	TO-220, Spacesaver, Vertical Mount, With Kool Clip/Tabs, Black	1.38 x .48 x 2.00 (35.05 x 12.19 x 50.80)	10.4	HS192-ND	.95	534302B03553
34	TO-220, Dual Basic Manual Attachment, Vertical Mount, Black	1.48 x .50 x 1.03 (37.59 x 12.70 x 26.16)	13.2	HS219-ND	.96	578622B03200
35	TO-220, Spacesaver Vertical Mount, With Tabs, Black	.875 x .25 x 1.25 (22.23 x 6.35 x 31.75)	22.0	HS224-ND	.73	592502B03400
35	TO-220, Spacesaver Vert. Mnt. With Kool Clip-SureLock Tabs, Blk	1.38 x .50 x 2.00 (35.05 x 12.70 x 50.80)	8.8	HS238-ND	1.29	594302B02853
36	TO-220, Vertical Mount, 1W, Black	.64 x .64 x 1.00 (16.26 x 16.26 x 25.4)	17.4	HS300-ND	1.36	581002B00000
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 1.00 (16.26 x 16.26 x 25.4)	17.4	HS301-ND	1.39	581002B02500
36	TO-220, Vertical Mount, 2.5W, With Pins, Gold	.64 x .64 x 1.00 (16.26 x 16.26 x 25.4)	17.4	HS302-ND	1.90	581002C02500
36	TO-220, Vertical Mount, 2.5W, Black	.64 x .64 x 1.5 (16.26 x 16.26 x 50.8)	16.8	HS303-ND	1.32	581102B00000
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 1.5 (16.26 x 16.26 x 50.8)	16.8	HS304-ND	1.44	581102B02500
36	TO-220, Vertical Mount, 2.5W, With Pins, Black	.64 x .64 x 2.00 (16.26 x 16.26 x 50.8)	12.8	HS305-ND	1.93	581202B02500
37	Dip Cooler, 14 or 16 Pin IC, Slide-On, Black	.887 x .60 x .41 (22.53 x 15.24 x 10.41)	38.0	HS179-ND	.46	580200B00000
37	Dip Cooler, 24 Pin IC, Slide-On, Black	1.46 x 1.008 x .58 (37.08 x 25.60 x 14.73)	20.0	HS182-ND	.71	580500B00000
37	Dip Cooler, 40 Pin IC, Slide-On, Black	2.256 x .98 x .59 (57.30 x 24.89 x 14.99)	22.0	HS183-ND	.76	580700B00000
38	Dip Cooler, 14-16 Pin, Glue-On, Black	.73 x .25 x .19 (18.54 x 6.35 x 4.83)	62.5	HS227-ND	.66	501200B00000
38	Dip Cooler, 24 Pin IC, Glue-On, Black	1.25 x .53 x .19 (31.75 x 13.47 x 4.83)	44.0	HS273-ND	.73	508500B00000
38	Dip Cooler, 40 Pin IC, Glue-On, Black	2.0 x .53 x .19 (50.8 x 13.47 x 4.83)	28.0	HS274-ND	1.37	508700B00000

\* Dielectric Coating Unless otherwise noted, all heat sinks are black anodized aluminum.

Fig.	Description	Dimensions – Inch (mm) L x W x H	Digi-Key Part No.	Cut Tape Price Each 1 10	Tape & Reel Pricing† 250 500	Mfg. Part No.
39	SMT D2 Pak Heat Sink, Autoinsertable, Pretinned	1.03x.50x.40 (26.16x12.70x10.16)	HS123CT-ND	.65 .59	106.43 193.50	573300D00010
39	SMT D3 Pak Heat Sink, Autoinsertable, Pretinned	1.22x.50x.40 (30.99x12.70x10.16)	HS124CT-ND	.70 .63	111.38 202.50	573400D00010

† For Tape and Reel Part Number, change the CT to TR.

More Product Available Online: [www.digikey.com](http://www.digikey.com)

Toll-Free: 1-800-344-4539 • Phone: 218-681-6674 • Fax: 218-681-3380

(T041) 529