



Fig.	Package Cooled	Attachment Method	Dimensions - mm			Thermal Resistance @ Natural	Power Dissipation @ Temp. Rise	Digi-Key Part No.	Price Each			Aavid Part No.
			A	B	C				1	10	100	
26	TO-220 (Dual)	Bolt On	21.59	36.83	19.81	6.40°C/W	4W @ 40°C	HS104-2-ND◆	.55	.46	.32	504222B00000G
	TO-220	Bolt On	21.60	17.80	19.80	15.6°C/W	2W @ 40°C	HS104-1-ND◆	.35	.29	.21	504102B00000G
27	TO-220	Bolt On	9.52	17.78	44.45	15.6°C/W	2W @ 40°C	HS112-ND◆	.31	.26	.18	507002B00000G
28	TO-220 (Dual)	Bolt On	9.52	37.34	44.45	9.60°C/W	8W @ 70°C	HS114-ND◆	.56	.47	.33	507222B00000G
29	TO-220	Bolt On and PC Pin	12.70	29.97	23.93	13.4°C/W	1W @ 20°C	HS336-ND◆	.88	.74	.52	593002B03400G
	TO-220	Clip and Board Locks	12.70	29.97	25.40	13.4°C/W	1W @ 20°C	HS375-ND◆	1.51	1.27	.89	534202B02853G
	TO-220	Clip and Board Locks	12.70	29.97	25.40	13.4°C/W	1W @ 20°C	HS405-ND◆	1.01	.84	.59	534202B03453G
30	TO-220	Bolt On and PC Pin	12.19	50.80	35.05	10.4°C/W	6W @ 60°C	HS373-ND◆	1.02	.86	.60	593202B03500G
	TO-220	Clip and PC Pin	12.19	50.80	35.05	10.4°C/W	6W @ 60°C	HS420-ND◆	2.18	1.82	1.28	534302B03553G
31	TO-220 (Dual)	Bolt On and PC Pin	12.70	25.40	37.59	13.2°C/W	2W @ 30°C	HS369-ND◆	1.07	.89	.62	578622B03200G
32	TO-220	Bolt On and PC Pin	6.35	31.75	22.20	22.0°C/W	1W @ 30°C	HS372-ND◆	.74	.62	.44	592502B03400G
	TO-220	Clip and Board Locks	12.19	50.80	35.05	—	6W @ 60°C	HS238-ND	.64	.58	.56	594302B02853
	TO-220	Clip and Board Locks	12.19	50.80	35.05	—	6W @ 60°C	HS379-ND◆	1.47	1.33	1.28	594302B02853G
33	TO-220	Bolt On	16.26	25.40	16.26	—	2.5W @ 50°C	HS300-ND◆	1.57	1.31	.92	581002B00000
	TO-220	Bolt On and PC Pin	16.26	25.40	16.26	17.4°C/W	2.5W @ 50°C	HS387-ND◆	1.59	1.33	.93	581002B02500G
	TO-220	Bolt On	16.26	38.10	16.26	—	3W @ 50°C	HS303-ND◆	1.01	.96	.64	581102B00000
	TO-220	Bolt On and PC Pin	16.26	38.10	16.26	16.8°C/W	3W @ 50°C	HS388-ND◆	1.65	1.38	.97	581102B02500G
34	14-DIP and 16-DIP	Press Fit, Slide On	10.42	22.61	15.24	20.0°C/W	1W @ 20°C	HS179-ND◆	.43	.36	.26	580200B00000G
	24-DIP	Press Fit, Slide On	14.73	37.08	25.60	20.0°C/W	1W @ 20°C	HS182-ND◆	.78	.71	.68	580500B00000G
35	14-DIP and 16-DIP	Thermal Tape, Adhesive (Not Included)	4.83	6.35	18.57	68.0°C/W	0.4W @ 30°C	HS227-ND◆	.75	.63	.44	501200B00000G
	24-DIP	Thermal Tape, Adhesive (Not Included)	4.83	31.75	13.46	34.0°C/W	1W @ 40°C	HS273-ND◆	.85	.71	.50	508500B00000G
36	DPak	SMD Pad	10.16	8.00	22.86	15.0°C/W	0.75W @ 30°C	HS407-ND◆	.87	.73	.51	573100D00000G
	D <sup>2</sup> Pak	SMD Pad	10.16	12.70	26.16	18.0°C/W	1.25W @ 30°C	HS408-ND◆	.84	.71	.50	573300D00000G
37	TO-220	Clip and PC Pin	13.08	21.54	13.21	19.7°C/W	1W @ 30°C	HS409-ND◆	.93	.78	.55	7136DG
38	TO-220	Bolt On and PC Pin	24.13	49.53	48.26	4.40°C/W	3W @ 20°C	HS410-ND◆	1.64	1.37	.96	7023B-MTG
39	TO-220	Clip	9.52	17.78	22.86	25.0°C/W	2W @ 50°C	HS411-ND◆	.50	.43	.30	6237BG
40	D <sup>2</sup> Pak	SMD Pad	9.52	14.99	25.91	15.0°C/W	2W @ 40°C	HS412-ND◆	1.77	1.47	1.03	7106DG
41	TO-220	Clip and PC Pin	9.52	27.94	22.00	19.2°C/W	1.5W @ 40°C	HS413-ND◆	1.20	1.01	.71	7128DG
42	TO-220	Clip and PC Pin	13.08	19.81	13.21	20.3°C/W	1W @ 30°C	HS414-ND◆	3.77	3.14	2.20	7141DG
43	TO-220	Bolt On and PC Pin	9.52	19.05	19.05	25.8°C/W	1.5W @ 50°C	HS415-ND◆	.51	.43	.30	7173DG
44	TO-220	Clip and PC Pin	15.49	—	25.53	13.6°C/W	2W @ 40°C	HS416-ND◆	1.19	.99	.70	6238B-MTG
—	TO-220, Mounting Kit							HS417-ND◆	2.57	2.31	1.80	4880G
	Insulating Shoulder Washer							HS418-ND◆	.21	.17	.12	7721-7PPSG
	Thermal Interface Pad							HS419-ND◆	.26	.23	.16	53-77-9G

◆ RoHS Compliant



Fig.	Description	Dimensions - Inch (mm)			Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel Pricing		Aavid Part No.
		A	B	C		1	10		250	500	
36	SMT D2 Pak Heat Sink, Auto-Insertable, Pre-Tinned	.40 (10.16)	.50 (12.70)	1.03 (26.16)	HS338CT-ND	.93	.79	HS338TR-ND	136.62	234.20	573300D00010G

**Digi-Reel** Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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