

COPY

DEVERELL ASSOCIATES
WELLINGTON
REC. 28 MAY 1985

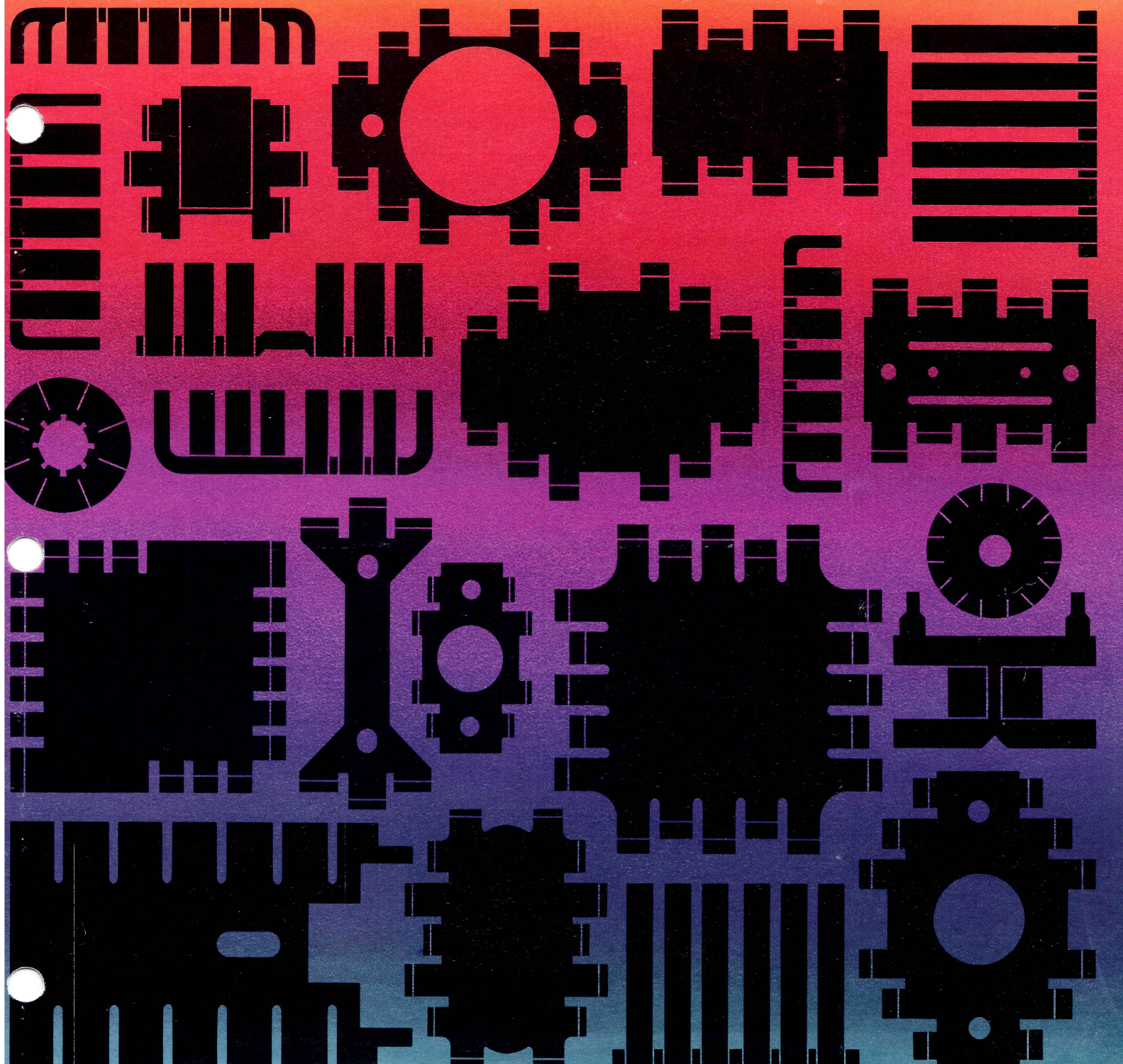
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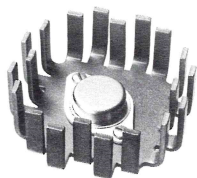


Short Form Catalog

Heat Sinks/Dissipators and Retainers

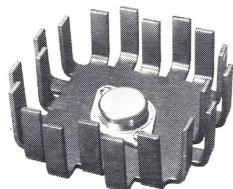
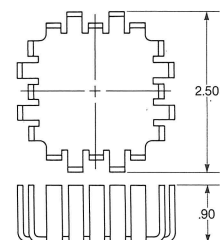
for semiconductors, integrated circuits and microcircuits





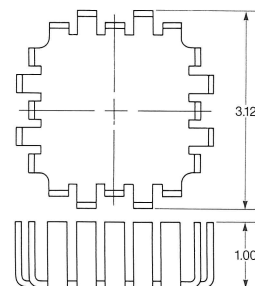
HP1 Series

Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-66	6.0	HP1-T066-U	HP1-T066-CB	HP1-T066-B
T0-3	5.4	HP1-T03-U	HP1-T03-CB	HP1-T03-B
Universal	—	HP1-420-U	HP1-420-CB	HP1-420-B

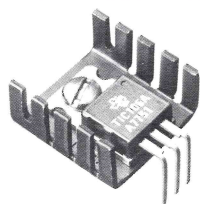
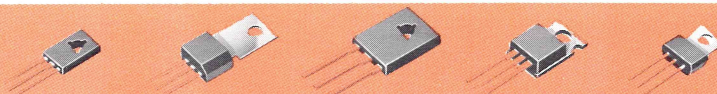


HP3 Series

Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-66	5.0	HP3-T066-U	HP3-T066-CB	HP3-T066-B
T0-3	4.4	HP3-T03-U	HP3-T03-CB	HP3-T03-B
Universal	—	HP3-420-U	HP3-420-CB	HP3-420-B

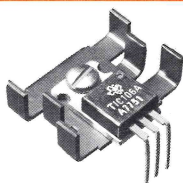
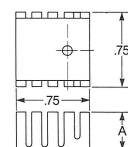


Heat dissipators for plastic case, lead-mounted semiconductors



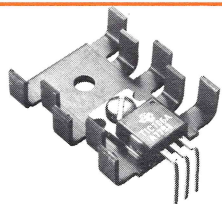
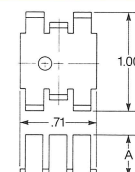
PC Series

Semiconductor Case Type	θ °C/W.	Part Number			"A" Dim.
		Unplated	Comm'l. Black	Military Black	
T0-126/127/220	27.3	PC1-1U	PC1-1CB	PC1-1B	.38
T0-126/127/220	27.3	PC1-3U*	PC1-3CB	PC1-3B	.38
T0-126/127/220	22.0	PC4-1U	PC4-1CB	PC4-1B	.75
T0-126/127/220	22.0	PC4-3U*	PC4-3CB	PC4-3B	.75



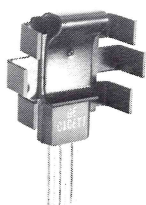
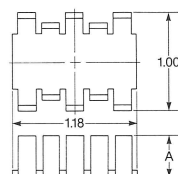
PA Series

Semiconductor Case Type	θ °C/W.	Part Number			"A" Dim.
		Unplated	Comm'l. Black	Military Black	
T0-126/127/220	26.8	PA1-1U	PA1-1CB	PA1-1B	.50
T0-126/127/220	30.0	PA2-1U	PA2-1CB	PA2-1B	.31



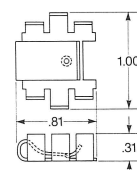
PB Series

Semiconductor Case Type	θ °C/W.	Part Number			"A" Dim.
		Unplated	Comm'l. Black	Military Black	
T0-126/127/220	22.1	PB1-1U	PB1-1CB	PB1-1B	.50
Dual	—	PB1-2U	PB1-2CB	PB1-2B	.50
T0-126/127/220	25.0	PB2-1U	PB2-1CB	PB2-1B	.31
T0-126/127/220	—	PB2-2U	PB2-2CB	PB2-2B	.31



PSC2 Series

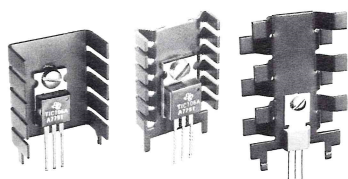
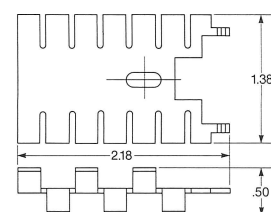
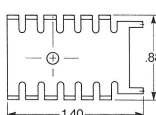
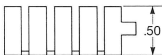
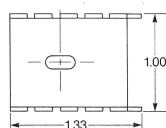
Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-202	42.9	PSC2-1U	PSC2-1CB	PSC2-1B
T0-220	41.7	PSC2-2U	PSC2-2CB	PSC2-2B
Mota. 152	46.9	PSC2-3U	PSC2-3CB	PSC2-3B
T0-126	45.5	PSC2-4U	PSC2-4CB	PSC2-4B
T0-127	37.5	PSC2-5U	PSC2-5CB	PSC2-5B

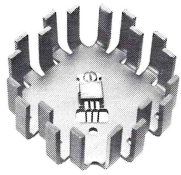


Vertically mounted heat dissipators with board-mounting tabs

Vertical Tab Mounted Dissipators

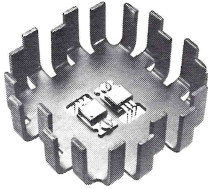
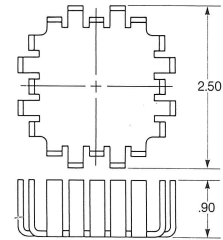
Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-126/127/220	20.0	PB1-36U	PB1-36CB	PB1-36B
T0-126/127/220	25.9	PSB2-1U	PSB2-1CB	PSB2-1B
T0-202	17.6	PSD1-1U	PSD1-1CB	PSD1-1B
T0-126/127/220	14.4	PSD1-2U	PSD1-2CB	PSD1-2B





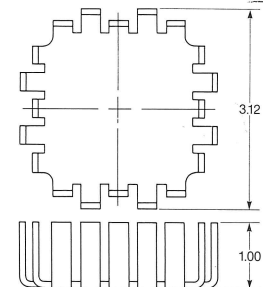
HP1 Series

Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-126	6.5	HP1-T0126-U	HP1-T0126-CB	HP1-T0126-B
T0-127/220	6.5	HP1-T0127-U	HP1-T0127-CB	HP1-T0127-B
Dual T0-127/220	5.6	HP1-T0127-4U	HP1-T0127-4CB	HP1-T0127-4B

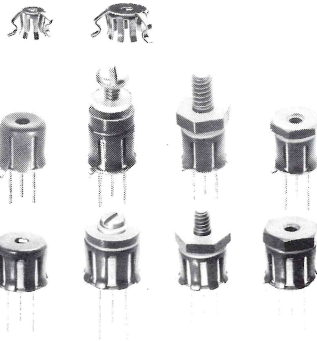


HP3 Series

Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
T0-126	5.0	HP3-T0126-U	HP3-T0126-CB	HP3-T0126-B
T0-127/220	5.0	HP3-T0127-U	HP3-T0127-CB	HP3-T0127-B
2 Ea. T0-127/220	4.0	HP3-T0127-4U	HP3-T0127-4CB	HP3-T0127-4B
4 Ea. T0-127/220	3.7	HP3-319-U	HP3-319-CB	HP3-319-B



Heat dissipators for metal case, case-mounted semiconductors

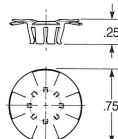
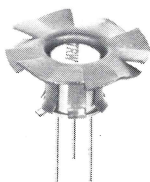


Thermal Link Retainers Without BeO Insulators

Semiconductor Case Type	Part Number with Black Cadmium Finish	Part Number with Dull Nickel Finish	Part Number with Insulube Finish	Mounting Method	"A" Dim.	"B" Dim.
T0-18	TXBC-019-023B	TXBC-019-023ND	TXBC-019-023	Spring Clip	.23	.43
T0-5	TXBC-032-025B	TXBC-032-025ND	TXBC-032-025	Spring Clip	.25	.56
T0-18	TXBE-019-021B	TXBE-019-021ND	TXBE-019-021	Rivet/Solder	.21	.22
T0-5	TXBE-032-031B	TXBE-032-031ND	TXBE-032-031	Rivet/Solder	.31	.37
T0-18	TXB2P-019-028B	TXB2P-019-028ND	TXB2P-019-028	2-56 Screw	.28	.22
T0-5	TXB2P-032-037B	TXB2P-032-037ND	TXB2P-032-037	4-40 Screw	.37	.37
T0-18	TX1807B	TX1807ND	TX1807	4-40 Stud	.50	.25
T0-18	TX1807-1B	TX1807-1ND	TX1807-1	6-32 Stud	.50	.25
T0-5	TX0507-1B	TX0507-1ND	TX0507-1	6-32 Stud	.59	.37
T0-5	TX0507-2B	TX0507-2ND	TX0507-2	10-32 Stud	.59	.37
T0-18	TX1847B	TX1847ND	TX1847	2-56 Hex Nut	.28	.25
T0-5	TX0547B	TX0547ND	TX0547	4-40 Hex Nut	.41	.37

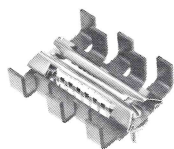
Thermal Link Retainers With BeO Insulators

Semiconductor Case Type	Part Number with Black Cadmium Finish	Part Number with Dull Nickel Finish	Part Number with Insulube Finish	Mounting Method	"A" Dim.	"B" Dim.
T0-18	TXP1803B	TXP1803ND	TXP1803	2-56 Screw	.34	.22
T0-18	TXP1808B	TXP1808ND	TXP1808	2-56 Screw	.34	.22
T0-5	TXP0503B	TXP0503ND	TXP0503	4-40 Screw	.43	.38
T0-5	TXP0508B	TXP0508ND	TXP0508	4-40 Screw	.43	.38
T0-18	—	TX1805-ND	—	Solder	.27	.22
T0-5	—	TX0505-ND	—	Solder	.37	.30
T0-18	TX1806B	TX1806ND	—	4-40 Stud	.56	.25
T0-18	TX1806-1B	TX1806-1ND	—	6-32 Stud	.56	.25
T0-5	TX0506-1B	TX0506-1ND	—	6-32 Stud	.65	.38
T0-5	TX0506-2B	TX0506-2ND	—	10-32 Stud	.65	.38
T0-18	TX1822B	TX1822ND	—	2-56 Hex Nut	.34	.25
T0-5	TX0522B	TX0522ND	—	4-40 Hex Nut	.47	.38



Fan Tops

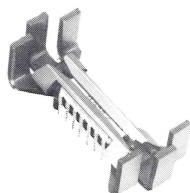
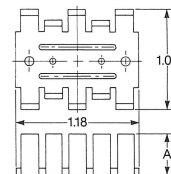
Semiconductor Case Type	θ °C/W.	Part Number			Material	"A" Dim.	"B" Dim.
		Unplated	Black Cadmium	Black Chem.			
T0-18	150.0	TXBF-019-025U	TXBF-019-025B	N.A.	Be Cu	.25	.50
T0-18	150.0	TXCF-019-025U	N.A.	TXCF-019-025CB	Brass	.25	.50
T0-5	81.1	TXBF-032-025U	TXBF-032-025B	N.A.	Be Cu	.25	.75
T0-5	81.1	TXCF-032-025U	N.A.	TXCF-032-025CB	Brass	.25	.75
T0-5	57.7	TXBF2-032-036U	TXBF2-032-036B	N.A.	Brass Fan Be Cu Retainer	.33	1.25



PB-10 Series

Semiconductor Case Type	θ °C/W.	Part Number				"A" Dim.
		Unplated	Comm'l. Black	Military Black	Insulube 448®	
.300 Wide DIPs with up to 16 Pins	27.8	PB1-10U	PB1-10CB	PB1-10B	PB1-10	.50
	30.3	PB2-10U	PB2-10CB	PB2-10B	PB2-10	.37

Note: Retainer, DC000080-2 required and must be ordered separately.

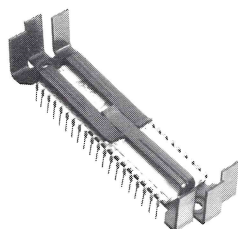
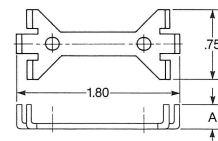


LIC Series

Semiconductor Case Type	θ °C/W.	Part Number			"A" Dim.
		Comm'l. Black	Military Black*	Insulube 448®	
.300 Wide DIPs less than .700 long	28.9	LIC214A1WCB	LIC214A1B	LIC214A1	.25
	26.3	LIC214A2WCB	LIC214A2B	LIC214A2	.50
	23.7	LIC214A3WCB	LIC214A3B	LIC214A3	.75
	22.2	LIC214A4WCB	LIC214A4B	LIC214A4	1.00

*Dissipator edges adjacent to the DIP pins are coated with an insulating compound.

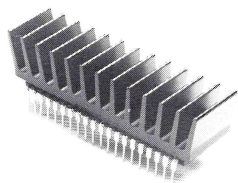
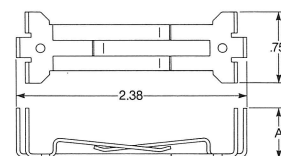
Note: DC000080-2 retainer is required and must be ordered separately.



Micro Clip Dissipators

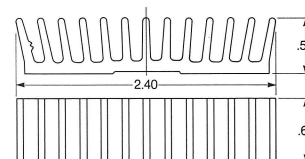
Semiconductor Case Type	θ °C/W.	Part Number				"A" Dim.
		Unplated	Comm'l. Black	Military Black	Insulube 448®	
.600 Wide DIPs with 24-40 Pins	25.9	APIC025U	APIC025CB	APIC025B	APIC025	.25
	22.9	APIC050U	APIC050CB	APIC050B	APIC050	.50
	22.7	APIC075U	APIC075CB	APIC075B	APIC075	.75

Note: APIC Dissipators are a two-piece assembly.



Extruded Dissipator for 40 Pin DIPs

Semiconductor Case Type	θ °C/W.	Part Number		
		Unplated	Comm'l. Black	Military Black
.600 Wide 40 Pin DIPs	15.5	E155-001U	E155-001CB	E155-001B



Extruded Heat Dissipators for High-Power Semiconductors— Available in all popular configurations, or customized to meet your specific needs.

IERC manufactures an extensive line of extruded heat dissipators—more than 80 standard shapes. Extruded heat dissipators are particularly useful for applications where high power levels are encountered.

Customized for specific needs

To provide special assistance in meeting your thermal packaging requirement, IERC will:

- Cut to length
- Drill, punch, tap or notch holes as required
- Perform special machining on any IERC configuration to your specification
- Apply finishes to your requirements

Large inventory

IERC maintains a large inventory of extruded heat dissipator stock. Our engineering staff welcomes the opportunity to discuss your individual requirements.

