
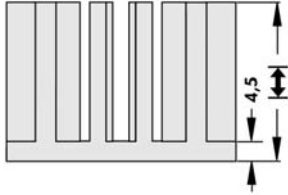
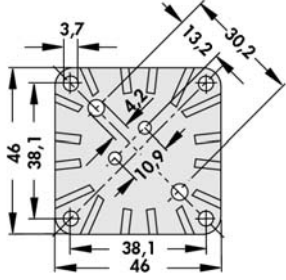


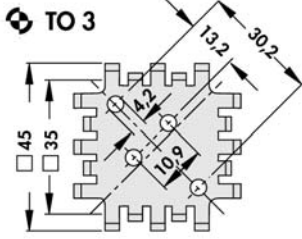
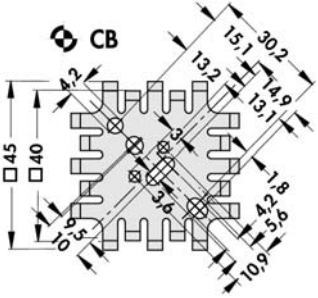

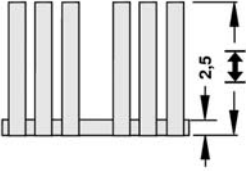
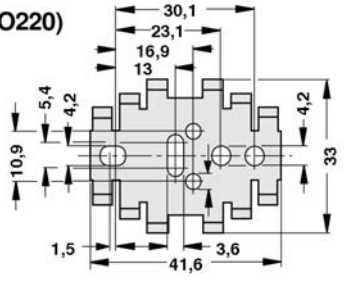


Finger shaped heatsinks for power semiconductors

							
art. no.	↓ [mm]	R _{th} [K/W]	⊗	art. no.	↓ [mm]	R _{th} [K/W]	⊗
FK 127 SA-3	12.7	8.0	TO 3	FK 127 SA	12.7	8.0	without
FK 191 SA-3	19.1	6.6	TO 3	FK 191 SA	19.1	6.6	without
FK 318 SA-3	31.8	4.8	TO 3	FK 318 SA	31.8	4.8	without
FK 254 SA-3	25.4	5.8	TO 3				

material: die-cast aluminium
surface treatment: black lacquered

							
art. no.	↓ [mm]	R _{th} [K/W]	⊗	art. no.	↓ [mm]	R _{th} [K/W]	⊗
FK 201 SA	25.4	6	without	FK 202 SA	12.7	8	without
FK 201 SA 3	25.4	6	TO 3	FK 202 SA 3	12.7	8	TO 3
FK 201 SA CB	25.4	6	CB	FK 202 SA CB	12.7	8	CB


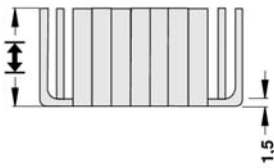
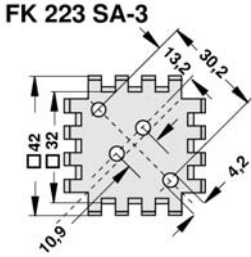
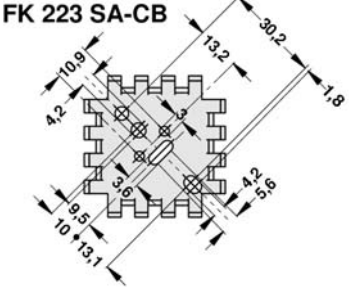


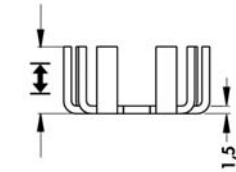
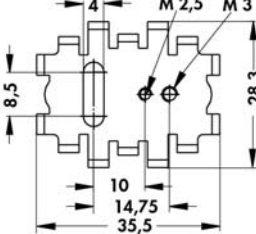

			
art. no.	↓ [mm]	R _{th} [K/W]	⊗
FK 205 SA L	31.8	9.0	L
FK 206 SA L	25.4	10.5	L
FK 207 SA L	19.1	12.0	L
FK 208 SA L	12.7	14.0	L

material: aluminium
surface treatment: black anodised

Attachable heatsinks → C ? - ?
 Heatsinks for TO 5 and TO 18 → C ? - ?
 Heatsinks for D PAK → C ?
 Aluminium oxide wafers → E ? - ?

Snap rivet → E ?
 Kapton insulator washers → E ?
 Silicone wafers → E ? - ?
 Mica wafers → E ?

Finger shaped heatsinks for power semiconductors

			
art. no.	\updownarrow [mm]	R_{th} [K/W]	
FK 223 SA	17	6.8	without
FK 223 SA-3	17	6.8	TO 3
FK 223 SA-CB	17	6.8	CB
			
art. no.	\updownarrow [mm]	R_{th} [K/W]	
FK 217 SA	13	16	without
FK 217 SA CB 2	13	16	CB 2 (SOT 32; TO 220)

material: aluminium
surface treatment: black anodised

C 3

Attachable heatsinks
 Heatsinks for TO 5 and TO 18
 Heatsinks for D PAK
 Aluminium oxide wafers

→ C ? - ?
 → C ? - ?
 → C ?
 → E ? - ?

Snap rivet
 Kapton insulator washers
 Silicone wafers
 Mica wafers

→ E ?
 → E ?
 → E ? - ?
 → E ?

Heatsinks for transistors in plastic case

for semiconductor screw-assembly, horizontal

		FK 234 SA L 1 		FK 234 SA L 2 		
		FK 234 SA L 3 		FK 234 SA L 4 		
		art. no.	h [mm]	R_{th} [K/W]	⊗	
		FK 234 SA L 1	15	17	TO 220	
		FK 234 SA L 2	15	17	SOT 32	
FK 234 SA L 3	15	17	CB			
FK 234 SA L 4	15	17	CB			

material: aluminium
surface treatment: black anodised

for semiconductor screw-assembly, vertical

		FK 235 L 1 ... 		FK 235 L 2 ... 		
		art. no.	h [mm]	R_{th} [K/W]	⊗	
		FK 235 L 1 ...	15	16	TO 220	
		FK 235 L 2 ...	15	16	SOT 32	
		please indicate: ... surface treatment SA=black anodised MI=solderable				

material: aluminium


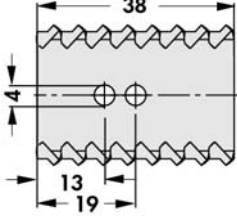
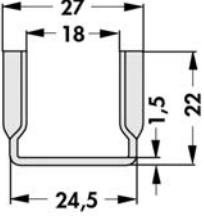

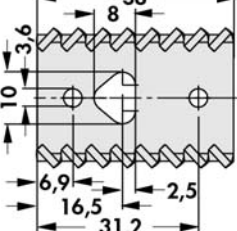
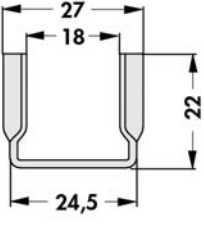

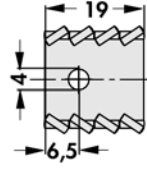
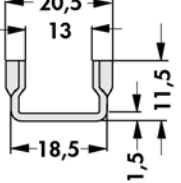

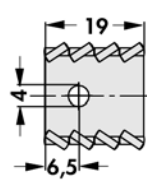
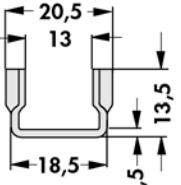

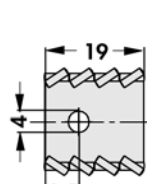
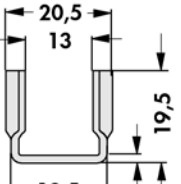
Attachable heatsinks
 Heatsinks for TO 5 and TO 18
 Heatsinks for D PAK
 Aluminium oxide wafers

→ C ? - ?
 → C ? - ?
 → C ?
 → E ? - ?

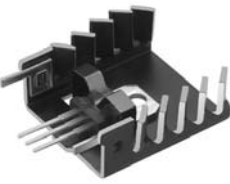
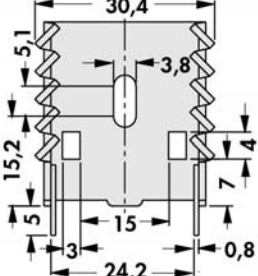
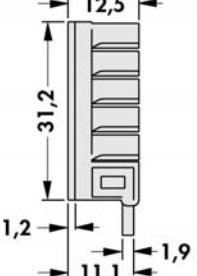
Snap rivet
 Kapton insulator washers
 Silicone wafers
 Mica wafers

→ E ?
 → E ?
 → E ? - ?
 → E ?

Heatsinks for transistors in plastic case


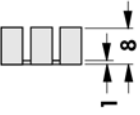
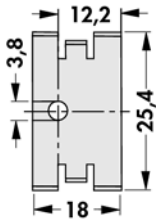
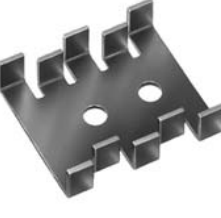
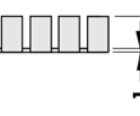
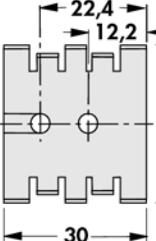

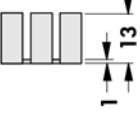
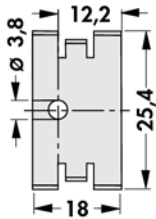

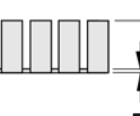
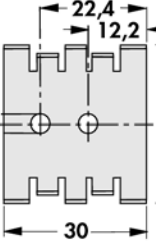

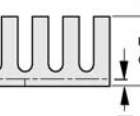
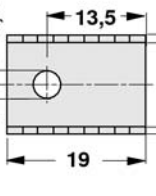

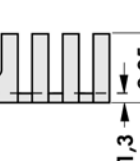
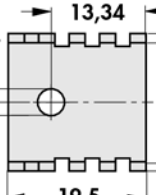
art. no. FK 225 SA L 1			9,9 K/W TO 220	
art. no. FK 225 SA L 2			9,9 K/W TO 220	
art. no. FK 228 SA L 1			30 K/W TO 220	
art. no. FK 229 SA L 1			27 K/W TO 220	
art. no. FK 230 SA L 1			21 K/W TO 220	

material: aluminium
surface treatment: black anodised

art. no. FK 249 SA 220			17 K/W TO 220	
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material: aluminium
surface treatment: black passivated, solder pins tin plated

Heatsinks for transistors in plastic case

art. no. FK 209 SA 32			25 K/W ⚙ SOT 32	
art. no. FK 210 SA CB			18 K/W ⚙ CB (SOT 32 + TO 220)	
art. no. FK 213 SA 32			21 K/W ⚙ SOT 32	
art. no. FK 214 SA CB			15 K/W ⚙ CB (SOT 32 + TO 220)	
art. no. FK 231 SA 220			24 K/W ⚙ TO 220	
art. no. FK 239 SA 32			24 K/W ⚙ SOT 32	

The heatsinks FK 209 ... 214 are available without hole pattern as well, e.g. FK 209 SA


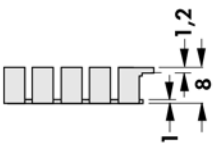
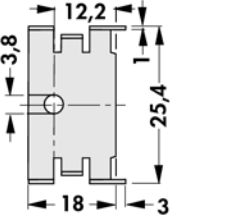

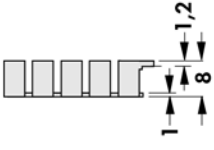
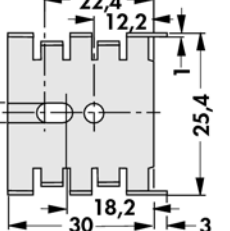

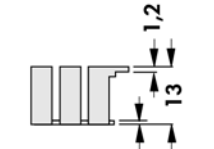
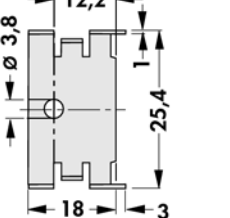

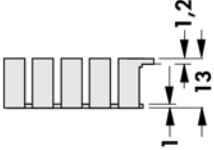
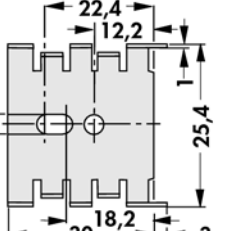

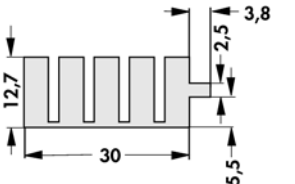
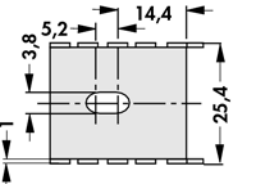
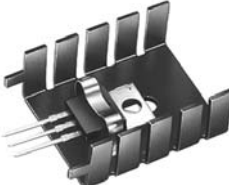
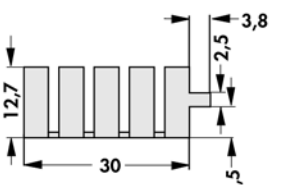
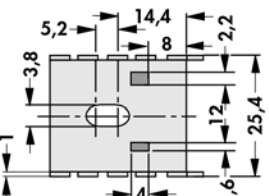

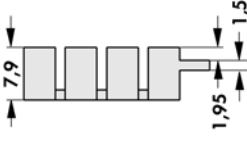
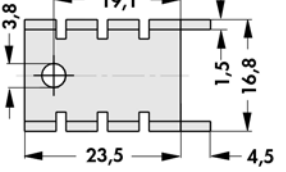
material: aluminium

surface treatment: black anodised

Retaining springs for transistors → A ? - ?
 Heatsinks for D PAK → C ?
 GEL thermal conductive foil → E ?
 Insulator caps → E ?


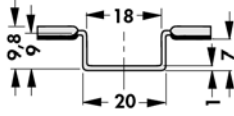
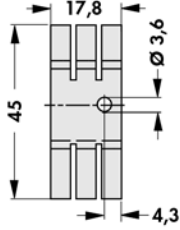

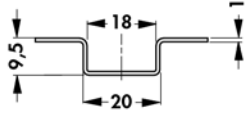
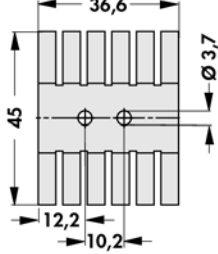
Mounting material for semiconduct. → E ? - ?
 Mounting pads → E ?
 Mounting pads for transistors → E ?
 Mounting parts for heatsinks → E ? - ?

Heatsinks for transistors in plastic case


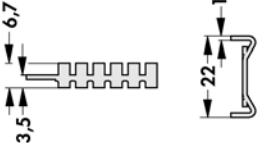
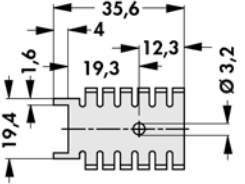


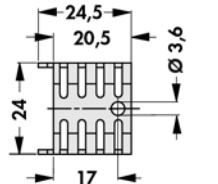

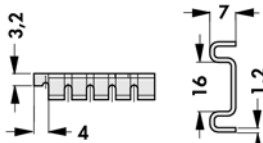
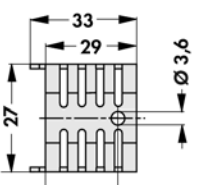
art. no. FK 211 32 ...			25 K/W ⌀ SOT 32	
art. no. FK 212 CB ...			18 K/W ⌀ CB (SOT 32 + TO 220)	
art. no. FK 215 32 ...			21 K/W ⌀ SOT 32	
art. no. FK 216 CB			15 K/W ⌀ CB (SOT 32 + TO 220)	
art. no. FK 222 ...			20 K/W ⌀ TO 220	
art. no. FK 222 THF ...			20 K/W ⌀ TO 220	
art. no. FK 247 220 ...			22 K/W ⌀ TO 220	
please indicate:		... surface treatment SA=black anodised MI=solderable		

material: aluminium / The heatsinks FK 211 ... 216 are available without hole pattern as well, e.g. FK 211 SA

Heatsinks for transistors in plastic case

art. no. FK 227 SA L 1			22 K/W TO 220	
art. no. FK 238 SA L 1			12 K/W TO 220	

material: aluminium
 surface treatment: black anodised

art. no. FK 218 32 ...			21 K/W SOT 32 TO 220	
art. no. FK 232 220 ...			21 K/W TO 220	
art. no. FK 233 220 ...			20,2 K/W TO 220	
please indicate: ... surface treatment SA=black anodised MI=solderable				

material: aluminium

Technical introduction
 Hole pattern
 Heatsink profile-overview
 Thermal conductive paste


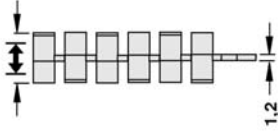
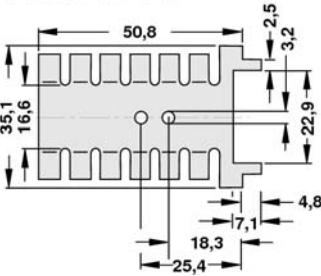
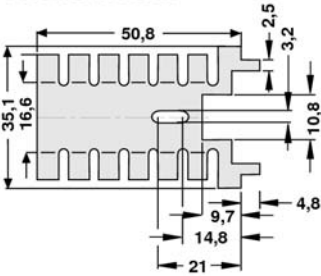

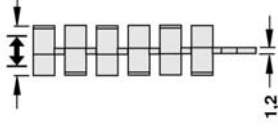
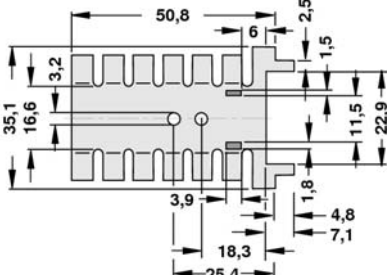

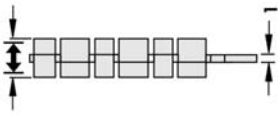
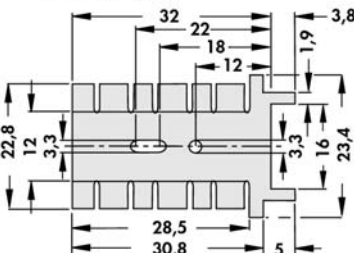
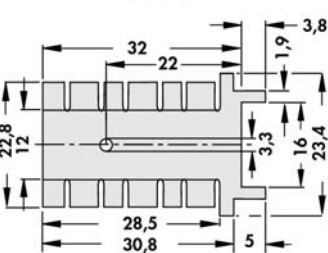
→ A 2 - 7
 → A 21
 → A 13 - 16
 → E ?

Thermal conductive foil
 Thermal conductive glue
 Kapton insulator washers

→ E ?
 → E ?
 → E ?

A
B
C
D
E
F
G
H
I
K
L
M
N

Heatsinks for transistors in plastic case

		<p>FK 219 CB 1 ...</p> 	<p>FK 219 CB 2 ...</p> 
<p>art. no.</p>	<p>↕ [mm]</p>	<p>R_{th} [K/W]</p>	<p>⊗</p>
<p>FK 219 CB 1 ...</p>	<p>12.6</p>	<p>14</p>	<p>CB 1 (TO 220)</p>
<p>FK 219 CB 2 ...</p>	<p>12.6</p>	<p>14</p>	<p>CB 2 (TO 220)</p>
		<p>FK 219 CB 3 ...</p> 	
<p>art. no.</p>	<p>↕ [mm]</p>	<p>R_{th} [K/W]</p>	<p>⊗</p>
<p>FK 219 CB 3 ...</p>	<p>12.6</p>	<p>14</p>	<p>CB 3 (TO 220)</p>
		<p>FK 236 CB ...</p> 	<p>FK 236 220 ...</p> 
<p>art. no.</p>	<p>↕ [mm]</p>	<p>R_{th} [K/W]</p>	<p>⊗</p>
<p>FK 236 220 ...</p>	<p>5</p>	<p>18</p>	<p>TO 220</p>
<p>FK 236 CB ...</p>	<p>5</p>	<p>18</p>	<p>CB</p>
<p>please indicate: ... surface treatment SA=black anodised MI=solderable</p>			

material: aluminium

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