



### 3680 ACTIVE HEAT SINK

The 3680 series Active heat sink provides a low profile solution for cooling BGA or other square IC packages. The heat sink includes a clip to easily attach to Socket 7 ZIF mounting sockets. The 3680 series features a reliable ball bearing fan with a minimum life of 50,000 hrs at 25°C. The heat sink includes a pre-applied interface material and is offered with either a 5V or 12V fan.



#### FEATURES:

- High reliability >50K hrs at 25°C
- Low profile
- Available with Clip or tape for quick installation to the IC
- Common 2 pin connector
- Clip versions available with pre-applied SOFTFACE® interface material
- Choice of 5V or 12V fans

#### APPLICATIONS:

- Microprocessors
- FPGA's
- Graphic processors
- DSP's
- Embedded processors

#### ORDERING INFORMATION:

Part Number	Description
368055B00067	Active heat sink with 12V fan, no interface material and socket 7 Clip
368055B20067	Active heat sink with 12V fan, SOFTFACE® material and socket 7 Clip
368055B00032	Active heat sink with 12V fan, no interface material and double sided tape
368052B00067	Active heat sink with 5V fan, no interface material and socket 7 Clip
368052B20067	Active heat sink with 5V fan, SOFTFACE® material and socket 7 Clip
368052B00032	Active heat sink with 5V fan, no interface material and double sided tape

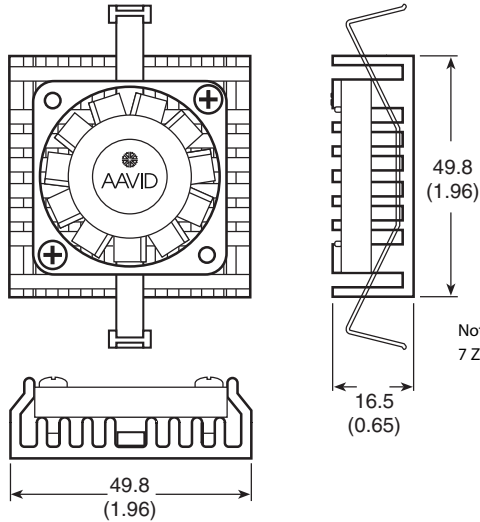


**AAVID  
THERMALLOY**

# 3680 Active Heat Sink

For Embedded PC Cooling

**PART NUMBER 368055B20067:**



Note: Clip attach version compatible with socket  
7 Zif sockets AMP #916716 or equivalent

## FAN CONNECTOR PIN OUT

Position	Wire Color	Polarity
Pin1	Red	+
Pin2	Black or Green	-

## ACTIVE (FAN) HEAT SINK SPECIFICATION:

Properties	Value	Units
Height	16.5 (0.65)	mm (inches)
Weight	43.9 (1.55)	grams (ounces)
Voltage Range	12V	10.2 – 13.8
	5V	4.5 – 5.5
Current Max	12V	110
	5V	90
Lead Length	203 (8.0)	mm (inches)
Connector	#2965 – 2 pin	Molex or equiv.
Noise - (Fan Only)	27	dB @ 1 m
UL Recognized Fan Only	E131310	
CSA Certified (Fan Only)	LR92346	

## THERMAL RESISTANCE (SINK TO AMBIENT):

Active Fan Heat sink	1.38 °C/W
Softface	0.20 °C/W

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