

# Thermal and Electrical Specification of AMD Sempron™ Processors



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# Thermal and Electrical Specification of AMD Sempron™ Processors



## AMD Sempron™ Processor Family (Socket A)

Order Part Number (OPN)	AMD Processor Family SDA = Sempron™	Model Number	Speed in MHz	Package Type D = OPGA	Operating Voltage (Nominal Core Voltage) U = 1.60V	Die Temperature T = 90°C	Processor Multiplier	L2 Cache Size 3 = 256KB 4 = 512KB	System-Bus (Front-Side-Bus) Speed D = 333 MHz	Max. Theoretical Thermal Power	Max Current (I <sub>cc</sub> ) in Amperes
<b>AMD Sempron™ Processor; Model 10; 0.13µm</b>											
SDA3000DUT4D	AMD Sempron	3000+	2000 MHz	OPGA	1.60V	0°C-90°C	12x	512KB	333 MHz	62.0W	38.75A
<b>AMD Sempron™ Processor; Model 8; 0.13µm</b>											
SDC2800DUT3D	AMD Sempron	2800+	2000 MHz	OPGA	1.60V	0°C-90°C	12x	256KB	333 MHz	62.0W	38.75A
SDA2800DUT3D	AMD Sempron	2800+	2000 MHz	OPGA	1.60V	0°C-90°C	12x	256KB	333 MHz	62.0W	38.75A
SDA2600DUT3D	AMD Sempron	2600+	1833 MHz	OPGA	1.60V	0°C-90°C	11x	256KB	333 MHz	62.0W	38.75A
SDA2500DUT3D	AMD Sempron	2500+	1750 MHz	OPGA	1.60V	0°C-90°C	10.5x	256KB	333 MHz	62.0W	38.75A
SDA2400DUT3D	AMD Sempron	2400+	1667 MHz	OPGA	1.60V	0°C-90°C	10x	256KB	333 MHz	62.0W	38.75A
SDA2300DUT3D	AMD Sempron	2300+	1583 MHz	OPGA	1.60V	0°C-90°C	9.5x	256KB	333 MHz	62.0W	38.75A
SDC2200DUT3D	AMD Sempron	2200+	1500 MHz	OPGA	1.60V	0°C-90°C	9x	256KB	333 MHz	62.0W	38.75A
SDA2200DUT3D	AMD Sempron	2200+	1500 MHz	OPGA	1.60V	0°C-90°C	9x	256KB	333 MHz	62.0W	38.75A

## AMD Sempron™ Processor Family (Socket 754)

Order Part Number (OPN)	AMD Processor Family SDA = AMD Sempron™	Model Number	Speed in MHz	Package Type A = 754 Pin lidded OµPGA	Operating Voltage I = 1.40 V	Case Temperature P = 70°C O = 69°C	L2 Cache Size 2 = 128 KByte 3 = 256 KByte	Max. Theoretical Thermal Power
<b>AMD Sempron™ Processor; CPUID Model 1C; 0.13µm SOI</b>								
SDA3100AIO3BA	AMD Sempron™	3100+	1800 MHz	754 Pin lidded OµPGA	1.40 V	0°C-69°C	256 KByte	62.0 W
SDA2800AIO3BA	AMD Sempron™	2800+	1600 MHz	754 Pin lidded OµPGA	1.40 V	0°C-69°C	256 KByte	62.0 W
SDA2600AIO2BA	AMD Sempron™	2600+	1600 MHz	754 Pin lidded OµPGA	1.40 V	0°C-69°C	128 KByte	62.0 W
<b>AMD Sempron™ Processor; CPUID Model C; 0.13µm SOI</b>								
SDA3100AIP3AX	AMD Sempron™	3100+	1800 MHz	754 Pin lidded OµPGA	1.40 V	0°C-70°C	256 KByte	62.0 W

## AMD Sempron™, Processor Ordering Part Number (OPN) Breakdown

Processors are identified by markings known as Ordering Part Number (OPN).  
The OPN identifies the processor and its specifications.

