

**ACT512DR72F8F400S**  
512MB DDR400 Registered ECC DIMM

**Description**

ACTICA ACT512DR72F8F400S is a high speed 512MB DDR400 Registered ECC DIMM . It is designed for mission critical application memory solution. This DIMM includes Error Checking and Correcting (ECC) for maximum reliability. The modules is constructed using Samsung SDRAMs, and is fully compliant with JEDEC specifications. Decoupling capacitors are mounted on the PCB board for better signal integrity. The DIMM feature serial presence detect (SPD) based on a serial EEPROM device using the 2-pin I2C protocol.

Features	Value
ACTICA memory P/N	ACT512DR72F8F400S
CL-tRCD-tRP	3-3-3
ECC	Yes
RoHS compliant	Yes
Supply Voltage	2.6V ± 0.1V
JEDEC standard	Yes
Operating Temperature*	0 - 90 °C
<b>Timing Parameter:</b>	
tCK (Clock Cycle Time)	5ns
tRCD (Ras and Cas Delay)	15ns
tRP (Row Precharge Time)	15ns
tRAS (Row Active Time)	40ns
tIH (Input Hold Time)	0.6ns
tIS (Input Setup Time)	0.6ns
<b>Operating Current:</b>	
IDD0 (Operating one bank active-precharge current)	1,820 mA
IDD1 (Operating one bank active-read-precharge current)	2,100 mA
IDD2P (Precharge power-down current)	400 mA
IDD3N (Active standby current)	1,280 mA
IDD6 (Self refresh current)	400 mA

**Physical Dimension** (drawing not in scale)

Units : in Millimeters

