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DATE : <i>June 2006</i>	QUALIFICATION REPORT	PAGE : 1/2
	In accordance with PGQ 15 : GENERAL PRINCIPLES OF QUALIFICATION	

<i>Product :</i>	AT84AS001 – 12bits 500Msps
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<i>Qualification status :</i>	<input checked="" type="checkbox"/> Accepted	<input type="checkbox"/> Pending	<input type="checkbox"/> Rejected
<i>This product has met all e2v Grenoble qualification requirements.</i>			

<i>Qualified products :</i>	Package	Temperature range	Screening level
AT84AS001CTPY	EBGA 192	0°C < Tamb. < 70°C	Standard
AT84AS001VTPY	EBGA 192	-40°C < Tamb. < 85°C	Standard

<i>Directive 2002/95/EC compliance status :</i>	<input checked="" type="checkbox"/> Pb free compliant	<input checked="" type="checkbox"/> RoHS compliant	<input type="checkbox"/> Fully Green compliant
	<input type="checkbox"/> Not compliant		

<i>Die information :</i>		
Die size : 4.895 mm x 4.895 mm	P. dissipated in Watt : Typ : 2.4 W / Max : 2.6 W	Mask : VM10A
Wafer fab. : JAZZ (USA)	Process : SBC35QTD	Technology : HS SiGe CMOS

<i>Package information :</i>		
Outline : 21 mm x 21 mm	Pitch : 1.27 mm	Solder ball composition : Sn 96.5/Ag 3/Cu 0.5
Assy plant : ASAT (DG)	Moisture sensitivity level : Level 3	Max. peak reflow : 260°C

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<i>Product :</i>	AT84AS001 – 12bits 500Msps
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<i>Qualification batch information :</i>			
Mask : VM10A	Diffusion lot : K49367	PO : K4500160800	Date Code : 0701

<i>Qualification tests results :</i>					
TEST <i>Acceptable criteria</i>	METHOD <i>Condition</i>	LTPD or Qty (Acc. Nb)	Sample	Acc. Numb.	Fail
STEADY-STATE LIFE TEST <i>Electrical measurement</i>	MIL-STD 883 / 1005 <i>Tj 125°C / 1000 Hrs</i> <i>Ambient T°</i>	45 (0)	45	0	0
ESD <i>Electrical measurement</i>	MIL-STD 883 / 3015 <i>1500V HBM</i>	3 (0)	3	0	0
<i>Pre-acousting microscopy</i>	<i>J-STD-035</i>				
THERMAL PRE-COND. Level 3 <i>Post-acousting microscopy</i> <i>Electrical measurements</i> <i>Visual inspection</i>	J-STD-020-C (peak 260°C) <i>J-STD-035</i> <i>Ambient T°</i> <i>MIL STD-883 TM 2009</i>	22 (0)	22	0	0
TEMPERATURE CYCLING <i>Electrical measurements</i> <i>Visual inspection</i>	MIL STD-883 TM 1010 <i>-55°C to 125°C / 1000 cy.</i> <i>Ambient T°</i> <i>MIL STD-883 TM 2009</i>	17 (0)	17	0	0
PRESSURE COOKER <i>Electrical measurements</i> <i>Visual inspection</i>	JESD22-A102-B <i>121°C/100% RH/2atm/96H</i> <i>Ambient T°</i> <i>MIL STD-883 TM 2009</i>	17 (0)	17	0	0
SOLDER BALL SHEAR <i>Visual inspection</i>	AEC-Q100-010 <i>1 kg</i> <i>Visual inspection</i>	160 (0)	160	0	0