



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN IPG-DIS/14/8630

Dated 01 Aug 2014

**Assembly and testing transfer from ST China plant to
subcontractor in China and ECOPACK2 conversion and
leadframe rationalization**

Table 1. Change Implementation Schedule

Forecasted implementation date for change	25-Jul-2014
Forecasted availability date of samples for customer	25-Jul-2014
Forecasted date for STMicroelectronics change Qualification Plan results availability	25-Jul-2014
Estimated date of changed product first shipment	31-Oct-2014

Table 2. Change Identification

Product Identification (Product Family/Commercial Product)	ACSwitches in DPAK and IPAK packages
Type of change	Package assembly location change
Reason for change	to optimize our industrial capacity and process and give a better service
Description of the change	see the document attached
Change Product Identification	marking, internal codification and QA number
Manufacturing Location(s)	

DOCUMENT APPROVAL

Name	Function
Paris, Eric	Marketing Manager
Duclos, Franck	Product Manager
Cazaubon, Guy	Q.A. Manager

PCN Product/Process Change Notification

AC Switches

Change 1: Assembly and testing transfer from ST China plant to subcontractor in China

Change 2: ECOPACK2 conversion and leadframe rationalization

Notification number:	IPG-DIS/14/8630	Issue Date	25/07/2014
Issued by	Aline AUGIS		
Product series affected by the change		<u>DPAK</u> ACST210-8B ACST210-8BTR ACS120-7SB ACS120-7SB-TR <u>IPAK</u> TN22-1500H	
Type of change		Package assembly location change	

Description of the change

	Before					After				
	Back-End				Ecopack 2	Back-End				Ecopack 2
	Name	Type	Country	Marking		Name	Type	Country	Marking	
DPAK Thyristors & Triacs	LGG	ST	China	G4	N for ACS120	NFME- Matrix	subco	China	GF	Y
					Y for ACST2					
	STS	ST	China	GK	N					
	NFME-STD	Subco	China	GF	N					
IPAK Thyristors & Triacs	LGG	ST	China	G4	N	NFME-STD	subco	China	GF	Y

Reason for change

Change 1: The change is performed in order to optimize our industrial capacity.

Change 2: ST upgrades its AC Switches housed in DPAK and IPAK packages with frame matrix and ECOPACK2 conversion in order to optimize its industrial process and give a better service to customers.

Former versus changed product:	The changed products do not present modified electrical, parameters, leaving unchanged the current information published in the product datasheet, except for the package information. The Moisture Sensitivity Level of the part (according to the
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		IPC/JEDEC JSTD-020D standard) remains unchanged. The footprint recommended by ST remains the same. There is no change in the packing modes and the standard delivery quantities either. The products are now in full compliance with the ST ECOPACK®2 grade ("halogen-free").						
Disposition of former products Deliveries of former product will continue while the transfer is brought to completion and as long as former product stocks last.								
Marking and traceability Traceability for the implemented change will be ensured by the marking, an internal codification and by the Q.A. number. For ECOPACK2 conversion a letter "G" printed to the right of the "e3" symbol on the marking.								
Qualification complete date		22-07-2014						
Forecasted sample availability Samples are available now upon request								
Change implementation schedule <table border="1"> <thead> <tr> <th>Sales types</th><th>Estimated production start</th><th>Estimated first shipments</th></tr> </thead> <tbody> <tr> <td>All</td><td>Week 34 - 2014</td><td>Week 44 - 2014</td></tr> </tbody> </table>			Sales types	Estimated production start	Estimated first shipments	All	Week 34 - 2014	Week 44 - 2014
Sales types	Estimated production start	Estimated first shipments						
All	Week 34 - 2014	Week 44 - 2014						
Comments:								
Customer's feedback Please contact your local ST sales representative or quality contact for requests concerning this change notification. Absence of acknowledgement of this PCN within 30 days of receipt will constitute acceptance of the change Absence of additional response within 90 days of receipt of this PCN will constitute acceptance of the change								
Qualification program and results		QRP14097.Rev 2						

External Reliability Report

Qualification of DPAK/IPAK package at china subcontractor

General Information		Locations	
Product Lines	AC Switches	Wafer fab	STMicroelectronics Tours
Products Description	ACS/TRIAC/Thyristor	Assembly plant	China Subcontractor (998G)
Product Group	IPG	Reliability Lab	STMicroelectronics Tours
Product division	ASD&IPAD	Reliability assessment	Passed
Package	DPAK/IPAK		

DOCUMENT INFORMATION

Version	Date	Pages	Prepared by	Approved by	Comment
Rev. 1	May	14	Gilles DUTRANNOY	Jean-Paul REBRASSE	First issue
Rev. 2	July	16	Gilles DUTRANNOY	Jean-Paul REBRASSE	Second issue

Note: This report is a summary of the reliability trials performed in good faith by STMicroelectronics in order to evaluate the potential reliability risks during the product life using a set of defined test methods.

This report does not imply for STMicroelectronics expressly or implicitly any contractual obligations other than as set forth in STMicroelectronics general terms and conditions of Sale. This report and its contents shall not be disclosed to a third party without previous written agreement from STMicroelectronics.

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1 APPLICABLE AND REFERENCE DOCUMENTS

Document reference	Short description
JESD 47	Stress-Test-Driven Qualification of Integrated Circuits
MIL-STD-750C	Test method for semiconductor devices
SOP 2614	Reliability requirements for product qualification (ST internal document)
SOP 267	Product maturity levels (ST internal document)
0061692	Reliability tests and criteria for qualifications (ST internal document)

2 GLOSSARY

BOM	Bill Of Materials
DUT	Device Under Test
F/G	Finished Good
HTRB	High Temperature Reverse Bias
PCT	Pressure Cooker Test
P/N	Part Number
RH	Relative Humidity
SS	Sample Size
TCT	Temperature Cycling Test
THB	Temperature Humidity Bias

3 RELIABILITY EVALUATION OVERVIEW

3.1 Objectives

Qualification of DPAK/IPAK package at china subcontractor.

3.2 Conclusion

Qualification Plan requirements have been fulfilled without exception. Reliability tests have shown that the devices behave correctly against environmental tests (no failure). Moreover, the stability of electrical parameters during the accelerated tests demonstrates the robustness of the product which is consequently expected during their lifetime

Devices Characteristics

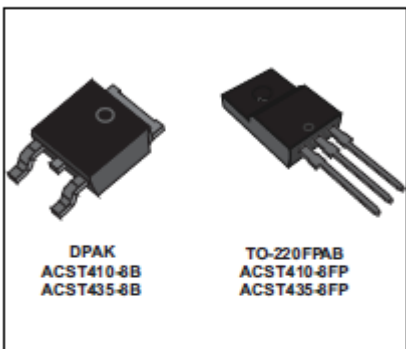
3.3 Devices description



ACST4

Overvoltage protected AC switch

Datasheet - production data



DPAK
ACST410-8B
ACST435-8B

TO-220FPAB
ACST410-8FP
ACST435-8FP

Description

The ACST4 series belongs to the ACS™/ACST power switch family. This high performance device is suited to home appliances or industrial systems and drives loads up to 4A.

This ACST4 switch embeds a Triac structure with a high voltage clamping device to absorb the inductive turn-off energy and withstand line transients such as those described in the IEC 61000-4-5 standards. The ACST410 needs a low gate current to be activated ($I_{GT} < 10 \text{ mA}$) and still shows a high electrical noise immunity complying with IEC standards such as IEC 61000-4-4 (fast transient burst test).

Features

- Triac with overvoltage protection
- Low I_{GT} ($< 10 \text{ mA}$) or high immunity ($I_{GT} < 35 \text{ mA}$) version
- High noise immunity: static $dV/dt > 1000 \text{ V}/\mu\text{s}$
- TO-220FPAB insulated package: 1500 V rms

Benefits

- Enables equipment to meet IEC 61000-4-5
- High off-state reliability with planar technology
- Needs no external overvoltage protection
- Reduces the power passive component count
- High immunity against fast transients described in IEC 61000-4-4 standards

Applications

- AC mains static switching in appliance and industrial control systems
- Drive of medium power AC loads such as:
 - Universal motor of washing machine drum
 - Compressor for fridge or air conditioner

Figure 1. Functional diagram

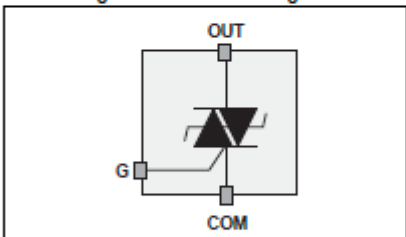


Table 1. Device summary

Symbol	Value	Unit
$I_{T(RMS)}$	4	A
V_{DRM}/V_{RRM}	800	V
$I_{GT}(ACST410)$	10	mA
$I_{GT}(ACST435)$	35	mA

TM: ACS is a trademark of STMicroelectronics

May 2014

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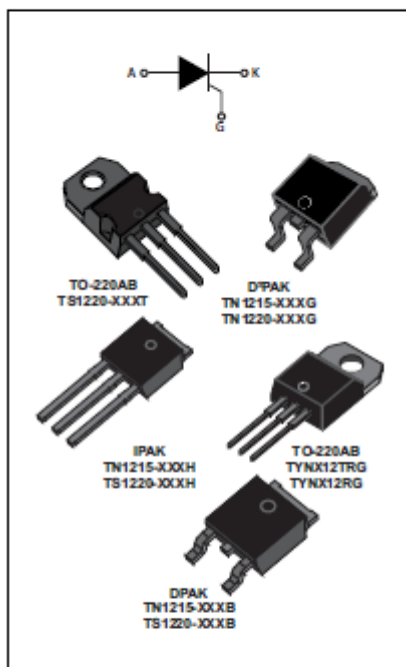
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TN12_TS12_TYNX12

Sensitive and standard 12 A SCRs

Datasheet - production data



Features

- On-state rms current, $I_{T(RMS)}$ 12A
- Repetitive peak off-state voltage, V_{DRM}/V_{RRM} 600 and 1000 V
- Triggering gate current, I_{GT} 0.2 to 15 mA

Description

Available either in sensitive (TS1220) or standard (TN1215 / TYNX12) gate triggering levels, the 12A SCR series is suitable to fit all modes of control, found in applications such as overvoltage crowbar protection, motor control circuits in power tools and kitchen aids, inrush current limiting circuits, capacitive discharge ignition and voltage regulation circuits.

Available in through-hole or surface-mount packages, they provide an optimized performance in a limited space.

Table 1. Device summary

Order code	Voltage (x00) V_{DRM}/V_{RRM}				I_{GT}	Package
	600	700	800	1000		
TN1215-xxxB	X		X		15 mA	DPAK
TN1215-xxxG	X		X		15 mA	D ² PAK
TN1215-xxxH	X		X		15 mA	IPAK
TS1220-xxxB	X	X			0.2 mA	DPAK
TS1220-xxxH	X				0.2 mA	IPAK
TS1220-xxxT	X				0.2 mA	TO-220AB
TYNX12RG	X		X	X	15 mA	TO-220AB
TYNX12TRG	X		X	X	5 mA	TO-220AB

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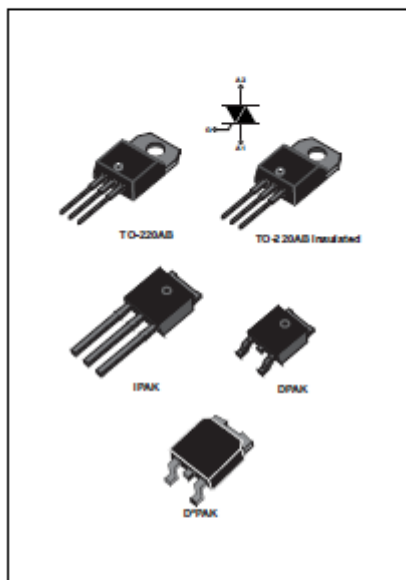
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BTA08, BTB08 and T8 Series

Snubberless™, logic level and standard 8 A Triacs

Datasheet – production data



Description

Available either in through-hole or surface-mount packages, the BTA08, BTB08 and T8 Triac series is suitable for general purpose AC switching. They can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits... or for phase control operation in light dimmers, motor speed controllers,...

The Snubberless versions (BTA/BTB...W and T8 series) are specially recommended for use on inductive loads, thanks to their high commutation performances.

Logic level versions are designed to interface directly with low power drivers such as microcontroller.

By using an internal ceramic pad, the BTA series provides voltage insulated tab (rated at 2500 VRMS) complying with UL standards (file ref.: E81734).

Features

- On-state rms current, $I_{T(RMS)}$ 8 A
- Repetitive peak off-state voltage, V_{DRM}/V_{RRM} 600 to 800 V
- Triggering gate current, $I_{GT(Q1)}$ 5 to 50 mA

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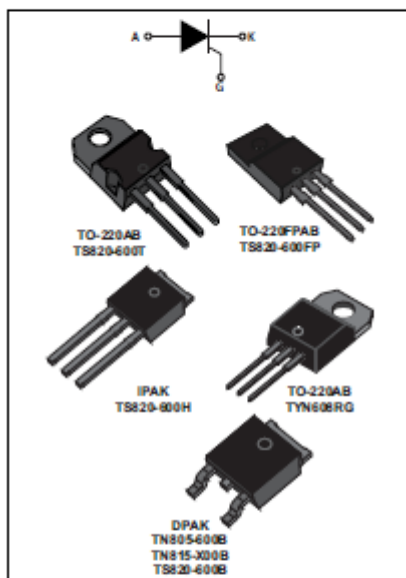
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TN805, TN815, TS820, TYN608

Sensitive and standard 8 A SCRs

Datasheet - production data



Features

- On-state rms current, $I_{T(RMS)}$ 8 A
- Repetitive peak off-state voltage, V_{DRM}/V_{RRM} 600 and 800 V
- Triggering gate current, I_{GT} 0.2 to 15 mA

Description

Available either in sensitive (TS8) or standard (TN8 / TYN) gate triggering levels, the 8 A SCR series is suitable to fit all modes of control found in applications such as overvoltage crowbar protection, motor control circuits in power tools and kitchen aids, inrush current limiting circuits, capacitive discharge ignition and voltage regulation circuits.

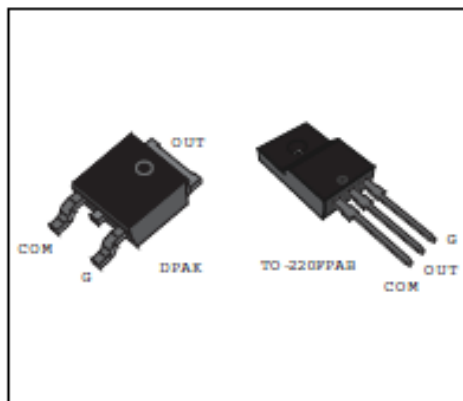
Available in through-hole or surface-mount packages, they provide an optimized performance in a limited space.

Table 1. Device summary

Order code	Voltage (x100) V_{DRM}/V_{RRM}		Sensitivity I_{GT}	Package
	600 V	800 V		
TS820-600B	X		0.2 mA	DPAK
TS820-600H	X		0.2 mA	IPAK
TS820-600T	X		0.2 mA	TO-220AB
TS820-600FP	X		0.2 mA	TO-220FPAB
TN805-600B	X		5 mA	DPAK
TN815-600B	X	X	15 mA	DPAK
TYN608RG	X		15 mA	TO-220AB

Overvoltage protected AC switch

Datasheet - production data



Description

The ACST2 series belongs to the ACS™/ACST power switch family. This high performance device is suited to home appliances or industrial systems and drives loads up to 2 A.

This ACST2 switch embeds a Triac structure with a high voltage damping device to absorb the inductive turn-off energy and withstand line transients such as those described in the IEC 61000-4-5 standards. The component needs a low gate current to be activated ($I_{GT} < 10$ mA) and still shows a high electrical noise immunity complying with IEC standards such as IEC 61000-4-4 (fast transient burst test).

Features

- Triac with overvoltage crowbar technology
- High noise immunity: static $dV/dt > 500$ V/ μ s
- ACST210-8FP, in the TO-220FPAB package, provides insulation voltage rated at 1500 V rms

Benefits

- Enables equipment to meet IEC 61000-4-5
- High off-state reliability with planar technology
- Needs no external overvoltage protection
- Reduces component count
- Interfaces directly with the micro-controller
- High immunity against fast transients described in IEC 61000-4-4 standards

Applications

- AC on/off static switching in appliances and industrial control systems
- Driving low power highly inductive loads like solenoid, pump, fan, and micro-motor

Figure 1. Functional diagram

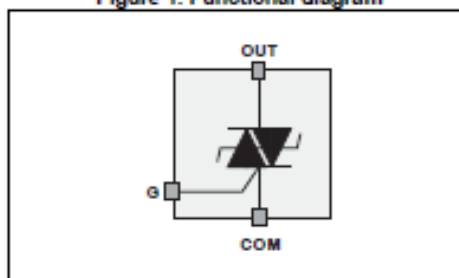
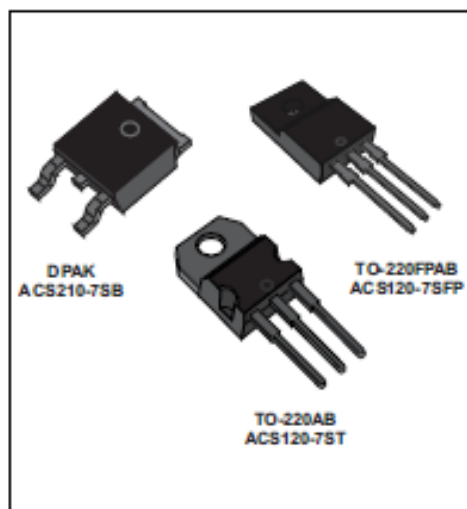


Table 1. Device summary

Symbol	Value	Unit
$I_{T(RMS)}$	2	A
V_{DRM}/V_{RRM}	800	V
I_{GT}	10	mA

TM: ACS is a trademark of STMicroelectronics



Applications

- AC static switching in appliance control systems
- Drive of low power high inductive or resistive loads like:
 - relay, valve, solenoid, dispenser
 - pump, fan, micro-motor
 - defrost heater

Description

The ACS120 belongs to the AC line switch family. This high performance switch circuit is able to control a load of up to 2 A.

The AC switch embeds a high voltage clamping structure to absorb the inductive turn off energy and a gate level shifter driver to separate the digital controller from the main switch. It is triggered with a negative gate current flowing out of the gate pin.

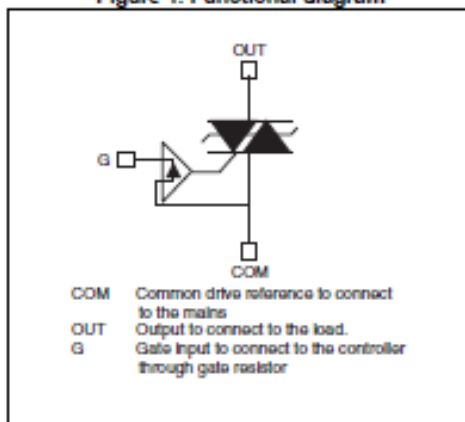
Features

- Blocking voltage: $V_{DRM} / V_{RRM} = \pm 700 \text{ V}$
- Avalanche controlled: $V_{CL} \text{ typ.} = 1100 \text{ V}$
- Nominal conducting current: $I_{T(RMS)} = 2 \text{ A}$
- Gate triggering current: $I_{GT} < 10 \text{ mA}$
- Switch integrated driver
- High noise immunity: static $dV/dt > 500 \text{ V}/\mu\text{s}$

Benefits

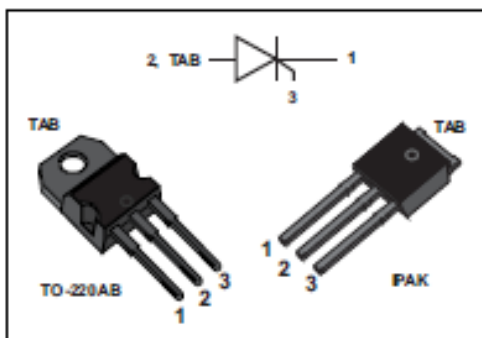
- Needs no more external protection snubber or varistor
- Enables equipment to meet IEC 61000-4-5
- Reduces component count up to 80%
- Interfaces directly with the micro controller
- Eliminates any gate kick back on the micro-controller
- Allows straightforward connection of several AC switches on same cooling pad.

Figure 1. Functional diagram



Fluorescent tube lamp starter SCR

Datasheet - production data



Description

The TN22 has been specifically developed for use in tube lamp electronic starter circuits.

Used in conjunction with a sensitive SCR, it provides high energy striking characteristics with low triggering power.

Thanks to the optimized characteristics of the TN22, starters based on this device can offer high reliability levels and extended life time of the fluorescent tube lamps.

Features

- High clamping voltage structure (1200 to 1500 V)
- Low gate triggering current for direct drive from line (< 1.5 mA)
- High holding current (> 175 mA), ensuring high striking energy

4 TESTS RESULTS SUMMARY

4.1 Test vehicles

5 test vehicles were chosen:

- T835-600B-TR assembled in DPAK package
- ACST410-8BTR assembled in DPAK package
- TN1215-800B-TR assembled in DPAK package
- ACST210-8BTR assembled in DPAK package
- ACS120-7SB-TR assembled in DPAK package

- T835-600H assembled in IPAK package
- TS820-600H assembled in IPAK package
- TN22-1500H assembled in IPAK package

Lot #	Part number	Process/ Package	Comments
L1	T835-600B-TR	DPAK	Qualification lot
L2	ACST410-8BTR	DPAK	
L3	TN1215-800B-TR	DPAK	
L4	ACST210-8BTR	DPAK	
L5	ACS120-7SB-TR	DPAK	
L6	T835-600H	IPAK	Qualification lot
L7	TS820-600H	IPAK	
L8	TN22-1500H	IPAK	

The results are detailed in the next sections.

4.2 Test plan and results summary

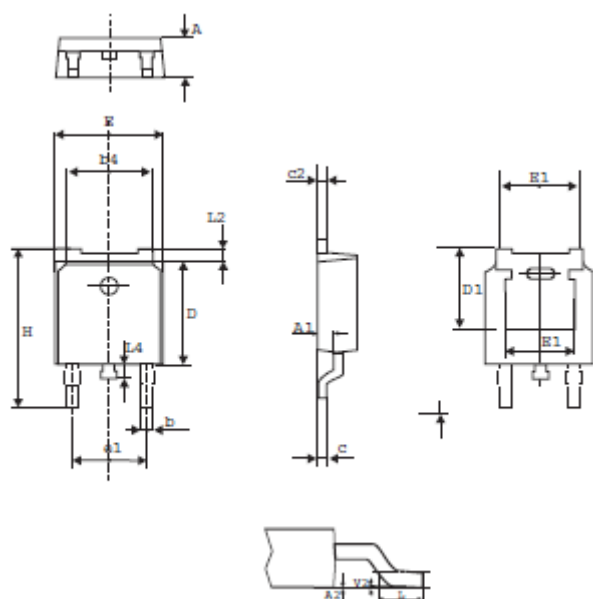
Test	PC	Std ref.	Conditions	SS	Steps	Failure/SS								Note
						Lot 1	Lot 2	Lot 3	Lot 4	Lot 5	Lot 6	Lot 7	Lot 8	
HTRB	N	JESD22 A-108	T _j = 125 °C VAC	385	168 h	0/77	0/77	0/77	0/77	0/77	0/77	0/77	0/77	
		MIL-STD-750C method 1040			500 h	0/77	0/77	0/77	0/77	0/77	0/77	0/77	0/77	
					1000 h	0/77	0/77	0/77	0/77	0/77	0/77	0/77	N/A*	
THB	Y	JESD22 A-101	85 °C 85% RH V _r = 100 V	125	168 h	0/25	0/25	0/25	0/25	0/25	0/25	0/25	0/25	
					500 h	0/25	0/25	0/25	0/25	0/25	0/25	0/25	0/25	
					1000 h	0/25	0/25	0/25	0/25	0/25	0/25	0/25	0/25	
PCT	Y	JESD22 A-102	121°C 2bar 100% RH	125	96 h	0/25	0/25	0/25	0/25	0/25	0/25	0/25	0/25	
TC	Y	JESD22 A-104	-65 °C/+150 °C 2 cycles/h	125	500 cycles	0/25	0/25	0/25	0/25	0/25	0/25	0/25	0/25	
RSH	N	JESD22 B-106-A	260°C 10S 2 immersions	60	2 dipping	0/12	0/12	0/12	0/12	0/12	0/12	0/12	0/12	

*note: Based on mission profile switching requirements, test duration applies is equal to 500h.

5 ANNEXES

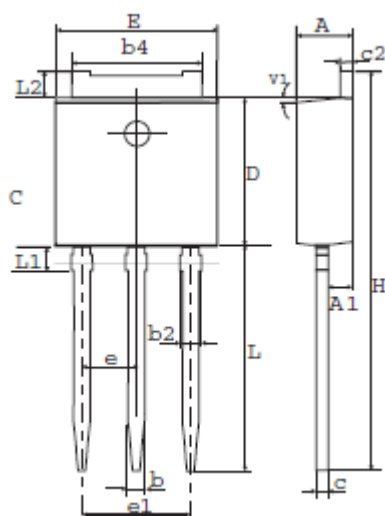
5.1 Device details

5.1.1 Package outline/Mechanical data for DPAK



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.18		2.40	0.086		0.094
A1	0.90		1.10	0.035		0.043
A2	0.03		0.23	0.001		0.009
b	0.64		0.90	0.025		0.035
b4	4.95		5.46	0.195		0.215
c	0.46		0.61	0.018		0.024
c2	0.46		0.60	0.018		0.023
D	5.97		6.22	0.235		0.244
D1	5.10			0.201		
E	6.35		6.73	0.250		0.264
E1		4.32			0.170	
e1	4.40		4.70	0.173		0.185
H	9.35		10.40	0.368		0.409
L	1.00		1.78	0.039		0.070
L2			1.27			0.05
L4	0.60		1.02	0.023		0.040
V2	0°		8°	0°		8°

5.1.2 -Package outline/Mechanical data for IPAK



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.20		2.40	0.086		0.094
A1	0.90		1.10	0.035		0.043
b	0.64		0.90	0.025		0.035
b2			0.95			0.037
b4	5.20		5.43	0.204		0.213
c	0.45		0.60	0.017		0.023
c2	0.46		0.60	0.018		0.023
D	6		6.20	0.236		0.244
E	6.40		6.70	0.252		0.263
e		2.28			0.090	
e1	4.40		4.60	0.173		0.181
H		16.10			0.634	
L	9		9.60	0.354		0.377
L1	0.8		1.20	0.031		0.047
L2		0.80	1.25		0.031	0.049
V1		10°			10°	

5.2 Tests Description

Test name	Description	Purpose
Die-oriented test		
HTRB (AC mode) High Temperature Reverse Bias	The device is stressed here in AC mode, trying to satisfy as much as possible the following conditions: - Low power dissipation. - Peak supply voltage compatible with diffusion process and internal circuitry limitations.	To determine the effects of bias conditions and temperature on solid state devices over time. It simulates the devices operating condition in an accelerated way. To maximize the electrical field across either reverse-biased junctions or dielectric layers, in order to investigate the failure modes linked to mobile contamination, oxide aging, layout sensitivity to surface effects.
Die and Package-oriented test		
THB Temperature Humidity Bias	The device is biased in static configuration minimizing its internal power dissipation, and stored at controlled conditions of ambient temperature, and relative humidity.	To evaluate the package moisture resistance with electrical field applied, both electrolytic and galvanic corrosion are put in evidence.
TC Temperature Cycling	The device is submitted to cycled temperature excursions, between a hot and a cold chamber in air atmosphere.	To investigate failure modes related to the thermo-mechanical stress induced by the different thermal expansion of the materials interacting in the die-package system. Typical failure modes are linked to metal displacement, dielectric cracking, molding compound delamination, wire-bonds failure, die-attach layer degradation.
RSH	Device is submitted to a dipping in a solder bath at 260°C with a dwell time of 10s. Only for through hole mounted devices.	This test is used to determine whether solid state devices can withstand the effects of the temperature to which they will be subjected during soldering of their leads. The heat is conducted through the leads into the device package from solder heat at the reverse side of the board. This procedure does not simulate wave soldering or reflow heat exposure on the same side of the board as the package body.
PCT Pressure Cooker Test	The device is unbiased under 121 °C, and a 2 bars air atmosphere during 96 hours.	The PCT is performed to evaluate the reliability of non-hermetic packaged solid-state devices in humid environments. It employs severe conditions of temperature, humidity, and pressure which accelerate the penetration of moisture through the external protective material (encapsulant or seal) or along the interface between the external protective material and the metallic conductors which pass through it. The stress usually activates the same failure mechanisms as the "85/85" Steady-State Humidity Life Test (THB).

Appendix

List of product involved in this qualification

cp	pkdescr	cp	pkdescr	cp	pkdescr
ACST410-8B	TO 252 DPAK	T410-800B-TR	TO 252 DPAK	TN1215-600H	IPAK TO-251
ACST410-8BTR	TO 252 DPAK	T410-800H	IPAK TO-251	TN1215-800B-TR	TO 252 DPAK
ACST435-8B	TO 252 DPAK	T435-600B	TO 252 DPAK	TN1215-800H	IPAK TO-251
ACST435-8BTR	TO 252 DPAK	T435-600B-TR	TO 252 DPAK	TN1515-600B-TR	TO 252 DPAK
FLC01-200B-TR	TO 252 DPAK	T435-600H	IPAK TO-251	TN805-600B-TR	TO 252 DPAK
FLC01-200H	IPAK TO-251	T435-700B-TR	TO 252 DPAK	TN815-600B-TR	TO 252 DPAK
FLC01-200HEL	IPAK TO-251	T435-800B-TR	TO 252 DPAK	TN815-800B-TR	TO 252 DPAK
FLC10-200B	TO 252 DPAK	T435-800H	IPAK TO-251	TN815-800H	IPAK TO-251
LIC01-215B-TR	TO 252 DPAK	T810-600B	TO 252 DPAK	TN815-9BAS	TO 252 DPAK
LIC01-215H	IPAK TO-251	T810-600B-TR	TO 252 DPAK	TN815-9BAS-TR	TO 252 DPAK
T405-600B	TO 252 DPAK	T810-800B-TR	TO 252 DPAK	TS1220-600B	TO 252 DPAK
T405-600B-TR	TO 252 DPAK	T835-600B	TO 252 DPAK	TS1220-600B-TR	TO 252 DPAK
T405-600H	IPAK TO-251	T835-600B-TR	TO 252 DPAK	TS1220-600H	IPAK TO-251
T405-700B-TR	TO 252 DPAK	T835-600H	IPAK TO-251	TS410-600BCTR	TO 252 DPAK
T405-800B-TR	TO 252 DPAK	T835-800B	TO 252 DPAK	TS420-600B	TO 252 DPAK
T405-800H	IPAK TO-251	T835-800B-TR	TO 252 DPAK	TS420-600BCTR	TO 252 DPAK
T405Q-600B-TR	TO 252 DPAK	TC05A6I	IPAK TO-251	TS420-600B-TR	TO 252 DPAK
T405Q-600H	IPAK TO-251	TN1205T-600B	TO 252 DPAK	TS420-600H	IPAK TO-251
T410-600B	TO 252 DPAK	TN1205T-600B-TR	TO 252 DPAK	TS450-600BCTR	TO 252 DPAK
T410-600B-TR	TO 252 DPAK	TN1215-600B	TO 252 DPAK	TS820-600B	TO 252 DPAK
T410-600H	IPAK TO-251	TN1215-600B-TR	TO 252 DPAK	TS820-600B-TR	TO 252 DPAK
TS820-600H	IPAK TO-251	TS820-700B-TR	TO 252 DPAK	TS820-800BM-TR	TO 252 DPAK
ACST210-8B	TO 252 DPAK	ACST210-8BTR	TO 252 DPAK	ACS120-7SB	TO 252 DPAK
ACS120-7SB-TR	TO 252 DPAK	TN22-1500H	IPAK TO-251		



Public Products List

PCN Title : Assembly and testing transfer from ST China plant to subcontractor in China and ECOPACK2 conversion and leadframe rationalization

PCN Reference : IPG-DIS/14/8630

PCN Created on : 28-JUL-2014

Subject : Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change:

ST COMMERCIAL PRODUCT

ACS120-7SB
ACST210-8BTR

ACS120-7SB-TR
TN22-1500H

ACST210-8B

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