



PRODUCT TERMINATION NOTIFICATION

PTN APM-DIS/10/5727
Notification Date 06/28/2010

APM - ASD & IPAD Division
Thyristors, Rectifiers, Protection and IPAD Devices
Termination of low activity devices

Table 1. Termination Implementation Schedule

Forecasted date of STMicroelectronics 'alternative products replacement' for customer	30-Jun-2010
Last Order entry date (6 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	31-Dec-2010
Last Order delivery date (12 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	30-Jun-2011

Table 2. Termination Identification

Product Identification Commercial Product(s) to be terminated	Thyristors, Rectifiers, Protection and IPAD
Reason for termination	Product portfolio rationalization
Alternate product(s) replacement	See attached

Table 3. List of Attachments

Customer Part numbers list	
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DOCUMENT APPROVAL

Name	Function
Paris, Eric	Division Marketing Manager
Duclos, Franck	Division Product Manager



**PRODUCT TERMINATION
NOTIFICATION**

PTN APM-DIS/10/5727

APM - ASD & IPAD Division¹

Thyristors, Rectifiers, Protection and IPAD Devices:

Termination of low activity devices

(1) APM: Analog, Power & MEMS Group - ASD: Application Specific Device - IPAD: Integrated Passive and Active Devices

WHY THIS PRODUCT TERMINATION?

The permanent evolution of the product family ranges sustained by the introduction of new products and the constant trend for more compact packages, rapidly make some **older products obsolete**.

With the concern of maintaining an optimal product offer with the best service, STMicroelectronics announces the termination of some **Thyristors, Rectifiers, IPAD** and **Protection Devices** for **rationalization** reason.

According to ST's termination process, the parts in end of life (EOL) have been affected a special maturity code (50) in order to **stop the delivery of samples** and consequently to avoid their use in new designs.

REPLACEMENT SCHEME

Replacement products, whether direct or similar, are proposed whenever possible. Suggested parts for replacement are annexed to the present document.

Although the replacement parts have been selected for optimal replacement of the parts in termination, our customers should verify their correct **suitability** in the **applications**.

We recommend our customers to place their last time buy order for the products in termination from now on.

TERMS AND CONDITIONS

Last buy orders will be accepted till end of 2010. Detailed **phase-out schedule** is provided in the table below.

Last time sampling	Parts in termination are not allowed for sampling since	June 30, 2010
Last time buy (orders)	Orders for the discontinued products will be accepted until	December 31, 2010
Last time delivery (shipments)	Products in termination will be delivered at the latest until	June 30, 2011
Last time in contracts	Discontinued products must not be included into	2011 and further contracts

Appendix 1: Suggested Replacement Parts List.

Appendix 1**Suggested Replacement Parts List**

Parts	Package	Description	Suggested Part for Replacement	
			Direct**	Nearest
1.5KE350CARL	DO-201	Transil Std 1500W HV bi	1.5KE350CA	
1.5KE36ARL	DO-201	Transil Std 1500W uni	1.5KE36A	
1.5KE440CARL	DO-201	Transil Std 1500W HV bi	1.5KE440CA	
1N5817RL	DO-41	Schottky Diode 1A 20V	1N5817	
1N5820	DO-201AD	Schottky Diode 3A 20V	1N5821RL	
AVS10CBI	TO-220AB Ins	Volt Switch Triac 8A 600V		AVS10CB
BAS70-08SFILM	SOT323-6L	Sign Schottky 15mA 70V dual		BAS70-06WFILM
BAT30-07P6FILM	SOT-666	Sign Schottky 300mA 30V dual		BAS70-06WFILM
BAT30-09P6FILM	SOT-666	Sign Schottky 300mA 30V dual		BAS70-06WFILM
BF3510TV	ISOTOP	Bridge Ufast 35A 1000V full	n/a	n/a
BTB08-700TWRG	TO-220AB	Snbless Triac 8A 700V 5 mA	BTB08-800TWRG	
BTB15-600BRG	TO-220AB	Non standard triac		BTB16-600BRG
BYT200PIV-400R	ISOTOP	Ufast Old 2x100A 400V		STTH200R04TV1
BZW04-31	DO-15	Transil Std 400W uni		P6KE36A
ESDA6V1M6	μQFN 6L	Transil Array 4-line 6.1V unidir		ESDALC6V1-5T6
ESDAULC6-3BF2	Flip-Chip	Transil Array 3-line 6.1V ULC		ESDALC6V1F2
ITA18B3RL	SO-20	Transil Array 9-line 18V ITA bi		ITA25B3RL
P6KE150CARL	DO-15	Transil Std 600W bi	P6KE150CA	
SMP50-320	SMA	Trisil Std 50A HV		SMP100LC-320
SMTY12A	SMA	Transky™ 600W 12V	SMTYF12A	
SMTY5.0A	SMA	Transky™ 600W 5V	SMTYF5.0A	SMTY5.0A
ST1284-02A8RL	QSOP	IEEE 1284 Port Term 6V		ST1284-01A8RL
STPS10150CG	D ² PAK	Pwr Schottky 2x5A 150V	STPS10150CG-TR	
STPS10170CG	D ² PAK	Pwr Schottky 2x5A 170V	STPS10170CG-TR	
STPS10170CR	I ² PAK	Pwr Schottky 2x5A 170V		STPS10170CG-TR
STPS10H100CG	D ² PAK	Pwr Schottky 2x5A 100V	STPS10H100CG-TR	
STPS1150M	STmite	Pwr Schottky 1A 150V	STPS1150MF	
STPS1545CG	D ² PAK	Pwr Schottky 2x7.5A 45V	STPS1545CG-TR	
STPS20L25CG-TR	D ² PAK	Pwr Schottky 2x10A 25V Low Vf	STPS20L25CG	
STPS30170CT	TO-220AB	Pwr Schottky 2x15A 170V		STPS30170CG-TR
STPS30L120CFP	TO-220FPAB	Pwr Schottky 2x15A 120V Low Vf		STPS30L120CT
STPS30L30CG	D ² PAK	Pwr Schottky 2x15A 30V Low Vf	STPS30L30CG-TR	
STTH10LCD06D	TO-220AC	Ufast Diode 10A 600V LCD		STTH10LCD06FP
STTH10R04B	DPAK	Ufast Diode 10A 400V Low trr		STTH10R04G-TR
STTH10R04D	TO-220AC	Ufast Diode 10A 400V Low trr		STTH10R04FP
STTH10R04G	D ² PAK	Ufast Diode 10A 400V Low trr	STTH10R04G-TR	
STTH12004TV1	ISOTOP	Ufast Diode 2x60A 400V		STTH120R04TV2
STTH1602CR	I ² PAK	Ufast Diode 2x8A 200V		STTH1602CT
STTH20R04G	D ² PAK	Ufast Diode 20A 400V Low trr	STTH20R04G-TR	
STTH3R04	DO-201AD	Ufast Diode 3A 400V Low trr	STTH3R04RL	
STTH3R04-C1	DO-201AD bent	Ufast Diode 3A 400V Low trr		STTH3R04RL
STTH3R04-C2	DO-201AD bent	Ufast Diode 3A 400V Low trr		STTH3R04RL
STTH3R04Q	DO-15	Ufast Diode 3A 400V Low trr	STTH3R04QRL	
STTH402S	SMC	Ufast Diode 4A 200V		STTH4R02S
STTH4L06Q	DO-15	Ufast Diode 4A 600V Low Vf	STTH4L06QRL	

Appendix 1**Suggested Replacement Parts List**

Parts	Package	Description	Suggested Part for Replacement	
			Direct**	Nearest
STTH4L06RL	DO-201AD	Ufast Diode 4A 600V Low Vf	STTH4L06QRL	
STTH4R02RL	DO-201AD	Ufast Diode 4A 200V Low trr		STTH4R02U
STTH504FP	TO-220FPAB	Ufast Diode 5A 400V		STTH504U
STTH506FP	TO-220FPAB	Ufast Diode 5A 600V Tandem		STTH506D
STTH8R04G	D ² PAK	Ufast Diode 8A 400V Low trr	STTH8R04G-TR	
T1635-800G-TR	D ² PAK	Snbless Triac 16A 800V 35 mA		T1635-700G-TR
T2550H-600TRG	TO-220AB	Hot Appl Triac 25A 600V 50 mA		T3050H-6T
T405-400T	TO-220AB	Snbless Triac 4A 400V 5 mA	T405-600T	
T435-800B	DPAK	Snbless Triac 4A 800V 35 mA	T435-800B-TR	
THBT27011D	SO-8	Trisil IC 30A 270V tripol. THBT		SMP30-270
TN815-600B	DPAK	Std SCR 8A 600V 15 mA	TN815-800B-TR	
TPA100	DO-15	Trisil Std 50A		TPA120
TPA200RL	DO-15	Trisil Std 50A	TPA200	
TS420-400B-TR	DPAK	Sens. SCR 4A 400V 0.2 mA	TS420-600B-TR	
TSI220B1	SO-8	Trisil IC 30A 30V bridge TSI		SMP30-220
TXN408GRG	TO-220AB Ins	Std SCR 8A 400V 25 mA		TYN408GRG
TYN416RG	TO-220AB	Std SCR 16A 400V 15 mA	TYN616RG	
TYN808RG	TO-220AB	Std SCR 8A 800V 15 mA	TYN810RG	
TYN812MRG	TO-220AB	Non standard SCR		TYN612MRG
X0202DA 5BL2	TO-92	Sens. SCR 1.25A 400V 0.2 mA		X0202MA 2BL2
X0203MA 5BL2	TO-92	Sens. SCR 1.25A 600V 0.2 mA		X0203MA 1BA2
X0403DE 1AA2	TO202-1	Sens. SCR 4A 400V 0.2 mA		X0403DF 1AA2

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