



PRODUCT TERMINATION NOTIFICATION

PTN APM-DIS/11/6312
Notification Date 03/07/2011

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	28-Feb-2011
Last Order entry date (6 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	07-Sep-2011
Last Order delivery date (12 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	07-Mar-2012

Table 2. Termination Identification

Product Identification Commercial Product(s) to be terminated	Thyristors, Rectifiers, Protection and IPAD Device
Reason for termination	Termination of low activity devices
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/11/6312

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.

Specific devices not expressly listed in the attached table are included in customer dedicated product lists.

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 **August 2011**. Detailed **phase-out schedule** is provided in the table below.

Last time sampling	Parts in termination are not allowed for sampling since	February 28, 2011
Last time buy (orders)	Orders for the discontinued products will be accepted until	September 07, 2011
Last time delivery (shipments)	Products in termination will be delivered at the latest until	March 07, 2012
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
BZW04-23B	DO-15	Transil Std 400W bi	P6KE27CA	BZW04-28B
BZW04-26	DO-15	Transil 400 W unidir 25.6 V VRM - 43 A IPP 8/20µs	P6KE30A	BZW04-33
BZW04-6V4B	DO-15	Transil Std 400W bi	P6KE7V5CA	BZW04-7V8BRL
BZW06-15BRL	DO-15	Transil 600 W bidir 15.3 V VRM - 123 A IPP 8/20µs	P6KE18CA	BZW06-19B
BZW06-58B	DO-15	Transil Std 600W bi	P6KE68CA	BZW06-58BRL
LCDP1521	SO-8	Line Card Dual Protection 150 V VBR - 2 x 25 A IPP 5/310 µs	LCDP1521SRL	
SM15T75CA	SMC	Transil Std 1500W bi		SMCJ70CA-TR
SMBJ100A-TR	SMB	Transil Std 600W uni		SM6T150A
SMBJ8.5A-TR	SMB	Transil Std 600W uni		SM6T10A
SMCJ10A-TR	SMC	Transil 1500 W unidir 10 V VRM - 461 A IPP 8/20µs		SM15T12A-TR
SMCJ10CA-TR	SMC	Transil 1500 W bidir 10 V VRM - 461 A IPP 8/20µs		SM15T12CA-TR
SMCJ12A-TR	SMC	Transil 1500 W unidir 12 V VRM - 394 A IPP 8/20µs		SM15T15A-TR
SMCJ6.0CA-TR	SMC	Transil 1500 W bidir 6 V VRM - 730 A IPP 8/20µs		SM15T7V5A-TR
SMP100LC-320	SMB	Trisil 100 A 10/1000µs 320 V VBR 150A IPP 5/310µs 50 pF@2 V Ctyp		SMP100LC-400
SMP100LC-360	SMB	Trisil 100 A 10/1000µs 360 V VBR 150A IPP 5/310µs 50 pF@2 V Ctyp	SMP100MC-360	SMP100LC-400
SMP100MC-320	SMB	Trisil 100 A 10/1000µs 320 V VBR 150A IPP 5/310µs 35 pF@2 V Ctyp		SMP100MC-400
SMP30-220	SMA	Trisil 30 A 10/1000µs 220 V VBR 40A IPP 5/310µs 50 pF@2 V Ctyp		SMP30-240
SMP80MC-120	SMB	Trisil 80 A 10/1000µs 120 V VBR 120A IPP 5/310µs 25 pF@2 V Ctyp		SMP80MC-170
SMP80MC-320	SMB	Trisil 80 A 10/1000µs 320 V VBR 120A IPP 5/310µs 25 pF@2 V Ctyp		SMP80MC-270
SMTPA320	SMB	Trisil 50 A 10/1000µs 320 V VBR 65A IPP 5/310µs 25 pF@2 V Ctyp		SMTPA270
TPA120	DO-15	Trisil 50 A 10/1000µs 120 V VBR 65A IPP 5/310µs 35 pF@2 V Ctyp		TPA180
TPA130RL	DO-15	Trisil Std 50A		TPA200RL
TPA180RL	DO-15	Trisil 50 A 10/1000µs 180 V VBR 65A IPP 5/310µs 30 pF@2 V Ctyp		TPA200RL
TPA200	DO-15	Trisil 50 A 10/1000µs 200 V VBR 65A IPP 5/310µs 25 pF@2 V Ctyp	TPA200RL	
ESDALC6V1P3	SOT-663	ESD Array Low Capacitance unidir 6.1 V VBRmin 2 lines 12 pF Ctyp		ESDALC6V1P5
EMIF04-MMC02F2	Flip-Chip 500µm	EMI Filter 4-line MM Card E		EMIF06-MSD02C3
EMIF08-2005QEJ	QFN 3X3	EMI Filter 8-line bot connec	n/a	
EMIF10-LCD01F2	Flip-Chip 500µm	EMI filter 10-line for LCD		EMIF10-LCD02F3
EMIF04-EAR01F2	Flip-Chip 500µm	EMI Filter 4-line Earphone		EMIF04-AV01F3
EMIF02-MIC01F2	Flip-Chip 500µm	EMI Filter 2-line Microphone		EMIF02-MIC06F3
1N5821	DO-201AD	Schottky Diode 3A 30V		1N5822
1N5821RL	DO-201AD	Schottky Diode 3A 30V		1N5822RL
BAS70ZFILM	SOD-123	Sign Schottky 15mA 70V		BAS70JFILM
BAT41-09P6FILM	SOT-666	Sign Schottky 100mA 100V dual		BAT41KFILM
BAT47	DO-35	Sign Schottky 350mA 20V		BAT48
STPS15H100CH	IPAK	Pwr Schottky 15A 100V Hi Tj		STPS15H100CB-TR
STPS20150CR	I ² PAK	Pwr Schottky 2x10A 150V		STPS20150CT
STPS20L120CT	TO-220AB	Pwr Schottky 20A 120V Low Vf		STPS30120CT
STPS745G	D ² PAK	Pwr Schottky 7A 45V	STPS745G-TR	
STTH1002CR	I ² PAK	Ufast Diode 2x5A 200V		STTH1002CB-TR
STTH10LCD06SB-TR	DPAK	600V LCD PFC diode, DPAK		STTH10LCD06D
STTH10LCD06SG-TR	D ² PAK	600V LCD PFC diode, D ² PAK		STTH10LCD06D
STTH16R04CFP	TO-220FPAB	Ufast 2x8A 400V Low trr		STTH16R04CT
STTH1R04	DO-41	Ufast Diode 1A 400V Low trr		STTH1R06
STTH4L06QRL	DO-15	Ufast Diode 4A 600V Low Vf		STTH4L06RL
STTH8R06G	D ² PAK	Ufast Diode 8A 600V Low trr	STTH8R06G-TR	
ACS102-6T1	SO-8	ACS 0.2 A 600 V 5 mA	ACS102-6T1-TR	
ACS302-5T3	SO-20	ACS array 0.2 A 500 V 5 mA	ACS302-5T3-TR	
TN2540-600G	TO-220AB	Std SCR 25 A 600 V 40 mA	TN2540-600G-TR	
TN805-600B	DPAK	Std SCR 8 A 600 V 5 mA	TN805-600B-TR	
X0402DE 1AA2	TO202-1	Sens. SCR 4 A 400 V 200 µA		X0402MF 1AA2
Z0103DA 5AL2	TO-92	Std Triac 1 A 400 V 3 mA	Z0103MA 5AL2	
X00619MA1AA2	TO-92	Sens. SCR 0.8 A 600 V 200 µA	X0202MA 1BA2	
X00619MA2AL2	TO-92	Sens. SCR 0.8 A 600 V 200 µA	X0202MA 1BL2	
X00619MA5AL2	TO-92	Sens. SCR 0.8 A 600 V 200 µA		X0202MA 1BL2

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