

PRODUCT CHANGE NOTIFICATION - OBSOLESCENCE



Reference: SMLPCN45
 Title: 1000V, 800V & 500V MOSFET Variants Obsolescence Notice
 Issue Date: 18/04/2018
 Engineer: Tom Hill
 Distribution: Unclassified

1 Summary

This PCN provides a general notification to customers that the following N Channel Silicon MOSFET products built using 500V, 800V and 1000V (VDS) die have now become obsolete. A total of 5 different die types have become obsolete.

Products affected are obsolete and unavailable with immediate effect (Section 1.1, Table 1).

All of Semelab's die stock of all 5 die types has now been exhausted.

1.1 Affected products

Table 1 - Products Affected

Obsolete Die VDS / RDS(on)	VDS = 1000V, RDS(on) = 2 - 2.4Ω	VDS = 800V RDS(on) = 1.2 - 1.4Ω	VDS = 800V RDS(on) = 0.75 - 0.9Ω	VDS = 500V RDS(on) = 0.4 - 0.5Ω	VDS = 500V RDS(on) = 0.2 - 0.25Ω
Affected Sales Part Numbers	APP1002RAN	BFC45	APP8075AN	BFC51	BFC50
	BFC42	BFD70	BFC22	BFC51M	BFC55
	BFD63	BFD70/US	BFC44	BFC51M.01	SML5020BN
	SML1002R4AN	SML751R2BN	SML7575BN	BFD82	SML5020BN.01
	SML1002R4AN.01	SML801R2AN	SML8075AN	BFD82-R1	SML5023BN
	SML1002RAN	SML801R2BN	SML8075AN-QR-B	IRF450SM	APP5020AN
	SML1002RAN-220SM	SML801R2CN	SML8075AN-QR-D	SML5040AN	IRFV460
	SML1002RAN.01	SML801R2CN-QR-EB	SML8075BN	SML5040BN	SML5020AN.01
	SML1002RCN	SML801R4BN.01	SML8075HN	SML5040CN	SML5020AN.01X
	SML1002RCN-JQR-B		SML8075HN-JQR	SML5040CN-QR-E	SML5020AN.01XX
	SML1002RCN-QR		SML8090AN	SML5040CN-QR-EB	SML5020AN.02
	SML1002RCN-QR-B		SML8090AN.01	SML5040CN.01	SML5020HN
	SML1002RCN.01			SML5040CN.01X	SML5020HN-QR
	SML100C6			SML5040CN.02	SML5020HN-QR-EB
				SML5040TLN.01	SML5020HN.01
				SML5050CN	SML5023AN
					SML5023HN
					SML5023HN-QR-EB
					SML5023SMD1
					SML5025HN
					SML5025HN-B
					SML5025HN-JQR-B
					SML5025HN-QR
					SML5025HN.01
					SML5025HN.01X
				SML5025HN.02	

Important information / Disclaimer

Semelab Limited reserves the right to change test conditions, parameter limits and package dimensions without notice.

Information furnished by Semelab is believed to be both accurate and reliable at the time of publication. However, Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that product availability, information and datasheets are current before placing orders.

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2 Change Information

2.1 Detail of change

The stated affected products have become obsolete because the silicon chips required to manufacture the products have been made obsolete by our supplier. All die stock has now been exhausted.

However, Semelab are happy to work with customers to explore using an alternative die type if commercially viable. Annual usage will need to be provided at point of enquiry.

Please contact Semelab Sales for enquiries regarding new designs.

2.2 Reason for Change

Die obsolescence.

2.3 Change impact

The stated affected products in Section 1.1 can no longer be offered.

3 Implementation of change




3.1 Implementation date

The obsolescence of the stated affected products in Section 1.1 will be implemented immediately.

4 Contact information

To contact Semelab regarding this obsolescence please use the details at the foot of this document or contact your local Semelab sales representative (details in the Semelab web site: <http://www.semelab.com/sales-contacts>).

5 Authorisation

<u>Function</u>	<u>Signature</u>	<u>Print</u>
Engineering	 20/04/18	Paul Wallace – Discrete Component Engineering Manager
Quality	 20/04/2018	Mark Steele – Quality Manager
Sales	 20/04/18	Ian Sweatman – Customer Service & Quotations Manager