



Product Change Notice

PCN #: VE20260115

Date: January 15th, 2026

To Our Valued Customers:

We appreciate your use of Vicor power modules. The purpose of this notice is to inform of a specification change to the BCM6123xD1E5126yzz.

PCN Type:

Product specification change

Product(s) Affected:

BCM6123TD1E5126T00, BCM6123TD1E5126T0R, BCM6123TD1E5126T01

Proposed Changes:

Change to Output Resistance specification as detailed below:

Existing Datasheet Rev 1.5

General Powertrain PRIMARY to SECONDARY Specification (Forward Direction)						
Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
PRI to SEC Output Resistance	R_{SEC_COLD}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$, $T_{INTERNAL} = 40^{\circ}C$	13	18.2	23	mΩ
	R_{SEC_AMB}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$	21	26.5	31	
	R_{SEC_HOT}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$, $T_{INTERNAL} = 100^{\circ}C$	30	39	45	

Datasheet Changes Rev 1.6

General Powertrain PRIMARY to SECONDARY Specification (Forward Direction)						
Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
PRI to SEC Output Resistance	R_{SEC_COLD}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$, $T_{INTERNAL} = 40^{\circ}C$	13	18.2	23	mΩ
	R_{SEC_AMB}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$	21	29	34	
	R_{SEC_HOT}	$V_{PRI_DC} = 380V$, $I_{SEC_OUT_DC} = 25.7A$, $T_{INTERNAL} = 100^{\circ}C$	30	39	45	

Existing Datasheet Rev 1.5

General Powertrain SECONDARY to PRIMARY Specification (Reverse Direction)						
Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
SEC to PRI Output Resistance	R_{PRI_COLD}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$, $T_{INTERNAL} = -40^{\circ}C$	1500	1698	1950	mΩ
	R_{PRI_AMB}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$	1950	2241	2400	
	R_{PRI_HOT}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$, $T_{INTERNAL} = 100^{\circ}C$	2700	3200	3600	

Datasheet Changes Rev 1.6

General Powertrain SECONDARY to PRIMARY Specification (Reverse Direction)						
Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
SEC to PRI Output Resistance	R_{PRI_COLD}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$, $T_{INTERNAL} = -40^{\circ}C$	1500	1698	1950	mΩ
	R_{PRI_AMB}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$	1950	2450	2630	
	R_{PRI_HOT}	$V_{SEC_DC} = 47.5V$, $I_{PRI_OUT_DC} = 3.2A$, $T_{INTERNAL} = 100^{\circ}C$	2700	3200	3600	

Reason for Change:

Additional MOSFET supplier added to the internal module BOM.

Actions Required:

Customer should make note of the update and contact Product Management with any questions or concerns.

Effective Dates:

Effective Immediately

Company Contact:

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