



Product Change Notice #: VE200109

Date: January 9, 2020

RE: VTM48Ex480y006A00

To Our Valued Customer:

We appreciate your use of VTM48Ex480y006A00. This is to inform you of changes in electrical specifications.

PCN Type:

Change of "VC" VTM Control electrical specifications

Product Affected:

VTM48Ex480y006A00

Previous Specifications – (Page 4 of Datasheet):

Signal Type	State	Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
ANALOG INPUT	Start Up	VC Start-Up Pulse	V_{VC_SP}	$t_{PEAK} < 18ms$			20	V
		VC Slew Rate	dVC/dt	Required for proper start up	0.02		0.25	V / μs
		VC Inrush Current	I_{INR_VC}	$VC = 16.5V, dVC/dt = 0.25V/\mu s$			1	A
	Transitional	VC to Vout Turn-On Delay	t_{ON}	V_{in} pre-applied, PC floating, VC enable, $C_{pc} = 0\mu F$			500	μs
		VC to PC Delay	t_{VC_PC}	$VC = 11.5V$ to PC high, $V_{in} = 0V, dVC/dt = 0.25V/\mu s$		75	125	μs
		Internal VC Capacitance	C_{VC_INT}	$VC = 0V$		3.2		μF

New Specifications – with changes in bold type.

Signal Type	State	Attribute	Symbol	Conditions / Notes	Min	Typ	Max	Unit
ANALOG INPUT	Start Up	VC Start-Up Pulse	V_{VC_SP}	$t_{PEAK} < 18ms$			20	V
		VC Slew Rate	dVC/dt	Required for proper start up	0.05		0.25	V / μs
		VC Inrush Current	I_{INR_VC}	$VC = 16.5V, dVC/dt = 0.25V/\mu s$			2	A
	Transitional	VC to Vout Turn-On Delay	t_{ON}	V_{in} pre-applied, PC floating, VC enable, $C_{pc} = 0\mu F$			500	μs
		VC to PC Delay	t_{VC_PC}	$VC = 11.5V$ to PC high, $V_{in} = 0V, dVC/dt = 0.25V/\mu s$		75	125	μs
		Internal VC Capacitance	C_{VC_INT}	$VC = 0V$		6.9		μF

Reason for the change:

For yield improvement.

Effective Date:

The change will be effective immediately.

Actions Required:

Customers should make note of the change and contact Applications Engineering with any questions or concerns. Customers using the VTM as a stand-alone device should review their VC control circuitry to ensure compatibility with the new specifications.

Company contact for technical questions:

Applications Engineering Vicor Corporation

apps@vicorpower.com

<http://www.vicorpower.com/contact-us>