

**Certificate of Compliance**  
**Standard Oscillator Products**  
**RoHS (2011/65/EU)\* & Amended 2015/863/EU\*\*\***  
**REACH (EC/1907/2006)\***

Item/Family Type	Part Numbers*	Description
VCA1 XO(F-type)	VCA1/3, VC-401 FXXXXX	Full DIP metal can
VCA3 XO	VCA3,VC-402,VC-403,VC-404	Full DIP metal Can
VCB XO(H-type)	VCB1/2 HXXXXX VC-420 VC-421	Half-DIP metal
VCE XO	VCE	Molded SMT
VXA Xtal	VXA1/4/7	HC-49U/HC-49US leaded
VXB Xtal	VXB1/2	SMD with adapter
VXM Xtal	VXM1/2/4/5/7	Leadless ceramic SMD
VXE Xtal	VXE2, VXE3, VXE4, VXE6	Leadless ceramic SMD
XO	Cxxxxx, VCC1 VPCx, VP-700 VCC4, VC-801 VCC6, VC-706, VC-707,VC-708, VC-709, VC-711, VC-806, VC-820, VC-826, VC-827, VC-840, PS-702	Leadless ceramic SMD
VCD2	VCD2-XXX, VC-501,VC-502,VC-503	
VMP1	VM-821	Plastic leadless
VMP2	VM-801	Plastic leadless
VMP3	VM-701	Plastic leadless
VCS3	VCS3-XX	Leadless ceramic SMD
VCS6	VCS6-XX	
VCJ5	VC-506	
VVC VCXO	VVC1-XXX VVC2-XXX	Leadless ceramic SMD
VCXO	VVA3 , VV-401, VV-501, VV-701 VX-705, VX-805, VS-702	Leadless ceramic SMD
VCXO PLL	CD-700	Leadless ceramic SMD
Frequency Translator	FX-700	Leadless ceramic SMD
TCXO	VTC1, VT-700 VTC2, VT-701 VTC4, VT-802 VT-702, VT-704, VT-706,VT-800, VT-803, VT-804, VT-820,VT-822, VT-840, VT-841, VT-860, VTM3	Leadless ceramic SMD
TCXO	VTB1, VT-421 VTB2, VT-422 VTB4, VT-423	Leadless PCB/cover SMD

	VTD3, VT-501 OSC-3A, VT-490	
TCXO	VTA1, VT-401 VTA2, VT-402 VTA7, VT-403 T1100 T1150	Full-size metal DIP with thru-hole leads
MO HT-MM	MO-9000A MO-9100A MO-9150A MO-9200A MO-9250A HT-MM900A	leadless molded encapsulated

\* Prefix part number for the family.

\*\*\*And any associated supplementary EC directives

This document certifies that the component(s)/part number(s) as stated above and manufactured and/or supplied by Vectron International, are in compliance with Directive 2011/65/EU and amended Directive 2015/863/EU on the Restriction of the use of certain Hazardous Substances in Electrical and Electronics Equipment (RoHS Directives) and REACH directive. The stated component(s)/part number(s) are deemed as compliant according to the definitions of the levels of the restricted/hazardous substances given in the directives as below and permissible exemptions(s).

Restricted Substances	limit	Directive
Lead	0.1% (1000 ppm)	2011/65/EU
Cadmium	0.01% (100 ppm)	
Mercury	0.1% (1000 ppm)	
Hexavalent Chromium	0.1% (1000 ppm)	
PBBs	0.1% (1000 ppm)	
PBDEs	0.1% (1000 ppm)	
Bis (2-ethylhexyl) phthalate (DEHP)	0.1% (1000 ppm)	2015/863/EU
Butyl benzyl phthalate (BBP)	0.1% (1000 ppm)	
Dibutyl phthalate (DBP)	0.1% (1000 ppm)	
Diisobutyl phthalate (DIBP)	0.1% (1000 ppm)	

This document also certifies that the materials declaration as being provided by Vectron Oscillator Products is accurate to the best of its knowledge based on laboratory analysis, and/or engineering analysis, and/or supplier data. However Vectron assumes no liability as a result of the use of the information being provided.




---

Johnson Yeo  
Dir. Quality & Supplier Development  
Vectron Oscillator Products  
Microchip Corporation  
June 25<sup>th</sup>, 2019

***For Additional Information, Please Contact:***



**USA:**

100 Watts St, Mount Holly Springs, PA 17065  
Tel: 1-717-486-3411 Fax: 1-717-486-5920

**EUROPE:**

Landstrasse, D-74924, Neckarbischofsheim, Germany  
Tel: 49 (0) 7268 8010 Fax: 49 (0) 7268 801281

Information contained in this publication regarding device applications and the like is provided only for your convenience and may be superseded by updates. It is your responsibility to ensure that your application meets with your specifications. MICROCHIP MAKES NO REPRESENTATION OR WARRANTIES OF ANY KIND WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, STATUTORY OR OTHERWISE, RELATED TO THE INFORMATION INCLUDING, BUT NOT LIMITED TO ITS CONDITION, QUALITY, PERFORMANCE, MERCHANTABILITY OR FITNESS FOR PURPOSE. Microchip disclaims all liability arising from this information and its use. Use of Microchip devices in life support and/or safety applications is entirely at the buyer's risk, and the buyer agrees to defend, indemnify and hold harmless Microchip from any and all damages, claims, suits, or expenses resulting from such use. No licenses are conveyed, implicitly, or otherwise, under any Microchip intellectual property rights unless otherwise stated.

**Trademarks**

The Microchip and Vectron names and logos are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries.