END OF LIFE NOTIFICATION

Title Discontinuance of VLU7 and VPU7 series

Article:

Products Affected: Pletronics VLU7 and VPU7 Differential VCXO Oscillator Series.

Reason for Discontinuance: The VLU7 and VPU7 series are based on older IC technology. The products are being discontinued due to the increased cost of manufacturing and support.

Suggested Replacement Part: The recommended replacement products are the VL77Q and VP77Q series. The VL77Q and VP77Q series are limited to 50 ppm APR pullability.The output characteristics of the VL77Q and VP77Q series are equivalent to the VLU7 and VPU7 series. See attached sample data.

Issue Date: 6-05-2020

Last Purchase Date: 9-30-2020

There may be limited supplies available.

Last Shipment Date: 12-31-2020

Pletronics Inc. certifies this device is in accordance with the RoHS (2015/65/EC) and WEEE (2002/96/EC) directives.

Date Created 6-05-2020

Created By Pletronics Engineering

Rev 1.0

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RMS Jitter Comparison Precision Developed Frequencies		
	VLU7	**VL77Q**
64MHz	**1.13 ps**	**587 fs**
133MHz	**963 fs**	**564 fs**
200MHz	**826 fs**	**563 fs**

Electrical Characteristics

LVDS

			VLU7			VL77Q		
			min	typ	max	min	typ	max
Power Supply Voltage	VDD (V)	VDD=3.3V VDD=2.5V	3 -	3.3 -	3.6 -	2.97 2.375	3.3 2.5	3.63 2.625
Current consumption	Idd (mA)			73 -	93 -		23	
Output Frequency	F (MHz)		10.9		400	10		1500
Differential Output Volt-	Vod (mV)		250		450	250[1]	350	
Output rise time Output fall time	Tr,Tf (pS)			170 170		125 150		350 350
RMS Jitter	10kHz – (pS)				1		0.6	1

[1] With Vdd=3.3V

PECL

			VPU7			VP77Q		
			min	typ	max	min	typ	max
Power Supply Voltage	VDD (V)	VDD=3.3V VDD=2.5V	3 -	3.3 -	3.6 -	2.97 2.375	3.3 2.5	3.63 2.625
Current consumption	Idd (mA)	VDD=3.3V		85	110		54	
Output Frequency	F (MHz)		10.9		1175	10		1500
High-level output voltage	Voh (V)		2.1		2.49	2.27		2.7
Low-level output voltage	Vol (V)		0.6		1.94	1.45		1.7
Output rise time Output fall time	Tr (pS)			170 170		150 150		350 350
RMS Jitter	10kHz – (pS)				1		0.6	1