

# **Product/Process Change Notification**

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Initiation Date	05/01/2017	Notification No.	20170501
Implementation Date	August 1, 2017 or upon customer	Initiator's Name	Aaron
	approval		Dayupay
Beginning	317		

# **CHANGE DESCRIPTION:**

Knowles is updating the 2.1 sheet product specification of HODVTEC-61342-000, HODVTEC-61553-000 and HODVTEC-31618-000 for 500Hz Impedance to reflect actual long-term product performance. Knowles anticipates that this specification changes will have a minimal impact on customer's application. Please continue to work with your local sales manager if you have questions or concerns related to this product change notification.

# **MODELS AFFECTED:**

	Impedance		
Model	Current Specification(500Hz)	Proposal Specification(500Hz)	
HODVTEC-61342-000	28.5 Ohm $\pm$ 15%	28.0 Ohm $\pm$ 20%	
HODVTEC-61553-000	$31.0  \text{Ohm} \pm 20\%$	28.0 Ohm $\pm$ 20%	
HODVTEC-31618-000	25.0 Ohm $\pm$ 15%	28.0 Ohm $\pm$ 20%	

# **SUPPORT INFORMATION:**

See page 2 to 4 of this PCN for the process capability study for the current 2.1 sheet specification and the proposed specifications.

All 3 HODVTEC models stated above share the same single receivers with reference model HODVTEC-61033-000 and should have the same impedance parameters:

Reference Model	Impedance	
Reference woder	Specification(500Hz)	
HODVTEC-61033-000	28.0 Ohm $\pm$ 20%	

# The following qualification tests have been performed:

Test	Acceptance Criteria	Model Tested	Sample Size	Result
Acoustical Characteristics	Performance to be comparable to current product	HODVTEC- 61342-000	381	Pass
	500Hz impedance (Ohms)			
		SPEC	СРК	Average
	Current	28.5 Ohm $\pm$ 15%	0.54	25.49 Ohm
	Proposal	28.0 Ohm $\pm$ 20%	1.28	25.49 Ohm

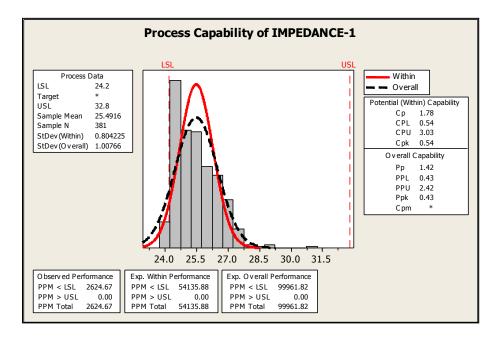
Test	Acceptance Criteria	Model Tested	Sample Size	Result
Acoustical Characteristics	Performance to be comparable to current product	HODVTEC- 61553-000	211	Pass
	500Hz impedance (Ohms)			
		SPEC	СРК	Average
	Current	31.0 Ohm $\pm$ 20%	0.84	27.73 Ohm
	Proposal	28.0 Ohm $\pm$ 20%	1.53	27.73 Ohm

Test	Acceptance Criteria	Model Tested	Sample Size	Result
Acoustical Characteristics	Performance to be comparable to current product	HODVTEC- 31618-000	519	Pass
	500Hz impedance (Ohms)			
		SPEC	СРК	Average
	Current	25.0 Ohm $\pm$ 15%	0.26	28.02 Ohm
	Proposal	28.0 Ohm $\pm$ 20%	1.83	28.02 Ohm

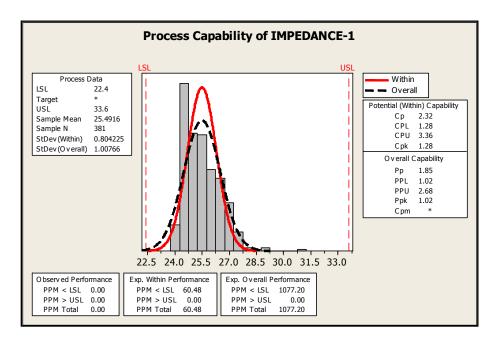
CPK:

#### HODVTEC-61342-000

# **Current 2.1 sheet specification:**

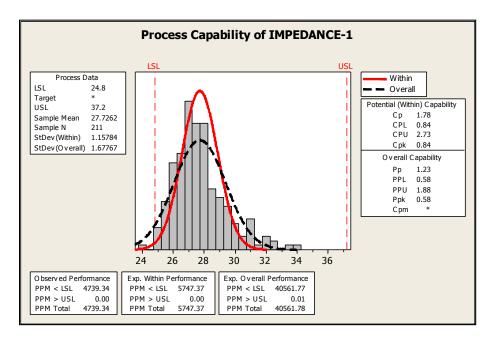


# Proposed 2.1 sheet specification:

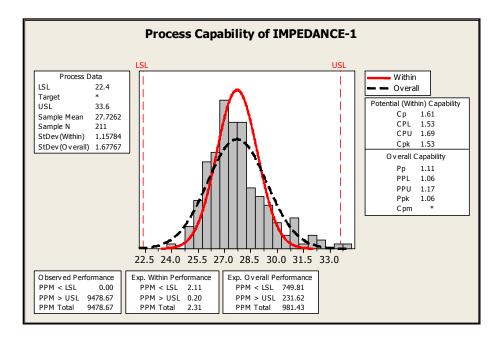


#### HODVTEC-61553-000

#### **Current 2.1 sheet specification:**

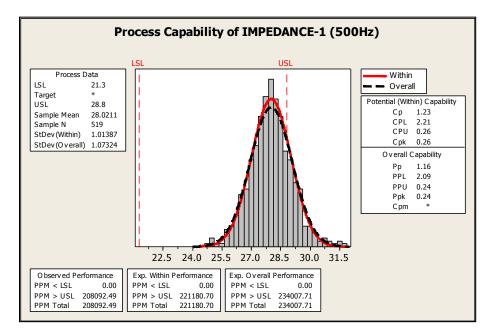


**Proposed 2.1 sheet specification:** 



#### HODVTEC-31618-000

#### **Current 2.1 sheet specification:**



**Proposed 2.1 sheet specification:** 

