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**PRODUCT BULLETIN # 16895**

Generic Copy

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**Issue Date:** 24 Aug 2012

**TITLE:** Datasheet change for TCA0372 and TCA0372B device family

**PROPOSED FIRST SHIP DATE:** 14 Nov 2012

**AFFECTED CHANGE CATEGORY(S):** Datasheet revision

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor sales office or &lt;Shannon.Riggs@onsemi.com&gt;

**NOTIFICATION TYPE:**

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact &lt;quality@onsemi.com&gt;.

**DESCRIPTION AND PURPOSE:**

ON Semiconductor is notifying customers about a data sheet revision for the TCA0372 and TCA0372B device families. The Output Voltage Swing (low) parameter over temperature has been changed from 1.5V to 1.6V. No other parameters on the datasheet will be changed.

The revision is the result of a minor change made for yield improvement, and subsequent additional characterization. No new devices, design circuitry, or fab process changes have been made.

**DC ELECTRICAL CHARACTERISTICS** ( $V_{CC} = +15\text{ V}$ ,  $V_{EE} = -15\text{ V}$ ,  $R_L$  connected to ground,  $T_A = -40^\circ$  to  $+125^\circ\text{C}$ .)

Characteristics	Symbol	Min	Typ	Max	Unit
Output Voltage Swing ( $I_L = 1.0\text{ A}$ )	$V_{OH}$	22.5	22.7	-	V
$V_{CC} = +24\text{ V}$ , $V_{EE} = 0\text{ V}$ , $T_A = +25^\circ\text{C}$		22.5	-	-	
$V_{CC} = +24\text{ V}$ , $V_{EE} = 0\text{ V}$ , $T_A = T_{low}$ to $T_{high}$		-	1.3	1.5	
$V_{CC} = +24\text{ V}$ , $V_{EE} = 0\text{ V}$ , $T_A = +25^\circ\text{C}$	$V_{OL}$	-	-	1.6	
$V_{CC} = +24\text{ V}$ , $V_{EE} = 0\text{ V}$ , $T_A = T_{low}$ to $T_{high}$		-	-	1.6	

**List of affected General Parts:**

TCA0372BDP1G  
 TCA0372BDWR2G  
 TCA0372DM2ELG  
 TCA0372DP1G  
 TCA0372DP2G  
 TCA0372DWG  
 TCA0372DWR2G