



PRODUCT BULLETIN # 16895

Generic Copy

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 <Shannon.Riggs@onsemi.com>

NOTIFICATION TYPE:

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

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}		–	–	–	

List of affected General Parts:

TCA0372BDP1G
TCA0372BDWR2G
TCA0372DM2ELG
TCA0372DP1G
TCA0372DP2G
TCA0372DWG
TCA0372DWR2G