

Bi-CMOS Logic

TD74BC Series

How to combine low power-consumption characteristics of C₂MOS with high-load drive capability? Toshiba has found the answer through original and imaginative technology.

The TD74BC Series are remarkable devices that utilize the most advanced Bi-CMOS technology to achieve a great improvement in the bus interface performance of digital systems. The high-speed performance and high-load drive capability of the series are compatible with the FAST Series. Moreover, introduction of CMOS circuits greatly reduces power consumption during operation and disable.

Toshiba will expand the lineup while placing octal-bus devices among the major products in the series.

- High-speed operation
- High drive capability: Output stage is configured with bipolar equivalent to FAST*.
High drivability of 48mA type.
- Low power consumption: Same level as CMOS during disable; lowest in the high-speed logic ICs when 5MHz or above during operation.

Application

System bus for personal and mini computers; OA equipment; measuring equipment; battery-use equipment.

※FAST is a trademark of National Semiconductor Corporation

Bi-CMOS Logic TD74BC Family

Type No.	Package	Function
TD74BC00P	DIP 14	QUAD 2-INPUT NAND GATE
TD74BC08P	DIP 14	QUAD 2-INPUT AND GATE
TD74BC32P	DIP 14	QUAD 2-INPUT OR GAOE
TD74BC230P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC231P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC240P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC241P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC242P	DIP 14	QUAD BUS TRANSCEIVER
TD74BC243P	DIP 14	QUAD BUS TRANSCEIVER
TD74BC244P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC365P	DIP 16	HEX BUS BUFFER
TD74BC366P	DIP 16	HEX BUS BUFFER
TD74BC367P	DIP 16	HEX BUS BUFFER
TD74BC368P	DIP 16	HEX BUS BUFFER
TD74BC373P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL TRANSPARENT LATCH
TD74BC374P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL D-TYPE FLIP-FLOP
TD74BC533P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL TRANSPARENT LATCH
TD74BC534P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL D-TYPE FLIP-FLOP
TD74BC540P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC541P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS BUFFER
TD74BC563P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL TRANSPARENT LATCH
TD74BC564P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL D-TYPE FLIP-FLOP
TD74BC573P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL TRANSPARENT LATCH
TD74BC574P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL D-TYPE FLIP-FLOP
TD74BC575P	DIP 24	OCTAL D-TYPE FLIP-FLOP
TD74BC620P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS TRANSCEIVER
TD74BC623P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS TRANSCEIVER
TD74BC640P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS TRANSCEIVER
TD74BC643P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS TRANSCEIVER
TD74BC645P/F /FW	DIP 20/SOP 20/SOL 20	OCTAL BUS TRANSCEIVER