



BCT644C

2:1 MIPI D-PHY, C-PHY(2.5Gbps) 4-Data Lane Switch

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GENERAL DESCRIPTION

The BCT644C is a four-data-lane, MIPI, D-PHY, C-PHY switch. This single-pole, double-throw (SPDT) switch is optimized for switching between two high-speed or low-power MIPI sources. The BCT644C is designed for the MIPI specification and allows connection to a CSI or DSI module.

APPLICATIONS

Cellular Phones, Smart Phones
Displays

FEATURES

- Switch Type: SPDT(10x)
- Signal Types: MIPI, D-PHY,C-PHY
- VCC:1.65V to 4.5V
- Input Signals: 0 to VCC
- R_{ON}: 6.0Ω Typical HS MIPI
7.0Ω Typical LP MIPI
- Δ R_{ON}: 0.6Ω Typical
- R_{ON_FLAT}: 0.3Ω Typical
- I_{CCZ}: 0.5uA Maximum
- I_{CC}: 26uA Typical
- Q_{IRR}:-32dB Typical
- X_{TALK}:-35dB Typical
- Differential Bandwidth:2.5GHz Typical
- C_{ON}:5.0pF
- FO-36L Package

ORDERING INFORMATION

Order Number	Package Type	Temperature Range	Marking	QTY/Reel
BCT644CEFX-TR	FO-36L	-40°C to +85°C	644C XXXXX	3000

Mark Note: "XXXXX" in Marking will be appeared as the batch code.