

Motor Driver Automotive 28-Pin DSO T/R

Manufacturers	Infineon Technologies Corporation
Package/Case	28-SOIC (0.295, 7.50mm Width)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BTM7750GXUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The BTM7750G is part of the Trilith IC family containing three dies in one package: One double high- side switch and two low- side switches. The drains of these three vertical DMOS chips are mounted on separated lead frames. The sources are connected to individual pins, so the BTM7750G can be used in H- bridge- as well as in any other configuration. Both the double high- side and the two low- side switches of the BTM7750G are manufactured in SMART SIPMOS[®] technology which combines low R_{DS ON} vertical DMOS power stages with CMOS circuitry for control, protection and diagnosis.

Features

Quad D- MOS switch driver

Free configurable as bridge or quad- switch

Optimized for DC motor management applications

Low R DS ON High side: 70 mΩ typ. @ 25°C, 180 mΩ max. @ 150°C Low side: 45 mΩ typ. @ 25°C, 105 mΩ max. @ 150°C

Maximum peak current: typ. 12 A @ 25 °C

Very low quiescent current: typ. 5 μA @ 25 °C

Small outline, enhanced power PG- DSO- package

Operates up to 40 V

PWM frequencies up to 1 kHz

Status flag diagnosis

Short- circuit- protection

Overtemperature shut down with hysteresis

Internal clamp diodes

Under- voltage detection with hysteresis

Green Product (RoHS compliant)

AEC Qualified

Application

Motor-Drive

Related Products



[BTT60302EKAXUMA1](#)

Infineon Technologies Corporation
SOP-14



[BTT6030-1ERA](#)

Infineon Technologies Corporation
SOP14



[BTN8962TAAUMA1](#)

Infineon Technologies Corporation
TO-263-



[BTS707](#)

Infineon Technologies Corporation
DSO-20



BTS660P

Infineon Technologies Corporation
TO-263-7



BTS7750GP

Infineon Technologies Corporation
D2PAK-15



BTS640S2

Infineon Technologies Corporation
TO220-7



BTM7710GP

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P-TO-263-15