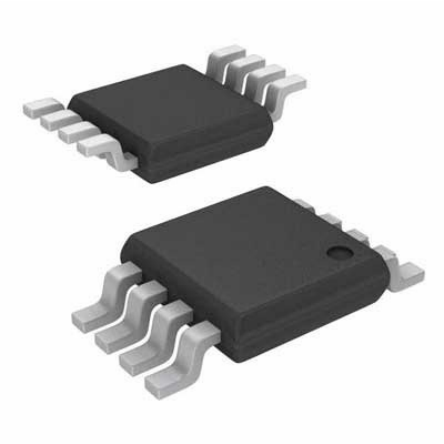
MIC2075-1YMM

Data Sheet

Power Distribution Switch, Current Limited, High Side, Active High, 1 Output, 5.5V, 0.7A, MSOP-8

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MIC2075-1YMM or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MIC2025 and MIC2075 are high-side MOSFET switches optimized for general-purpose power distribution requiring circuit protection.The MIC2025/75 are internally current limited and have thermal shutdown that protects the device and load. The MIC2075 offers "smart" thermal shutdown that reduces current consumption in fault modes. When a thermal shutdown fault occurs, the output is latched off until the faulty load is removed. Removing the load or toggling the enable input will reset the device output.Both devices employ soft-start circuitry that minimizes inrush current in applications where highly capacitive loads are employed. A fault status output flag is provided that is asserted during overcurrent and thermal shutdown conditions.The MIC2025/75 is available in the MM8® 8-lead MSOP and 8-lead SOP.

Features

140mΩ maximum on-resistance

2.7V to 5.5V operating range

500mA minimum continuous output current

Short-circuit protection with thermal shutdown

Fault status flag with 3ms filter eliminates false assertions

Undervoltage lockout

Reverse current flow blocking (no "body diode")

Circuit breaker mode (MIC2075) reduces power consumption

Logic-compatible input

Soft-start circuit

Low quiescent current

Pin-compatible with MIC2525

UL recognized and EN/IEC 60950-1 (CB) Certified

Related Products

MIC94325YMT-TR

Microchip Technology, Inc

UDFN-6

MIC4684YM

Microchip Technology, Inc

SOIC-8

MIC2009A-1YM6-TR

Microchip Technology, Inc

SOT-23-6

MIC2090-1YM5-TR

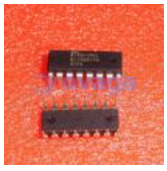
Microchip Technology, Inc

SOT-23-5

MIC5841YWM-TR

Microchip Technology, Inc

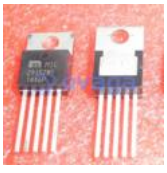
SOIC-18



MIC5891YN

Microchip Technology, Inc

PDIP-16



MIC29152WT

Microchip Technology, Inc

TO-220-5

MIC5209YM

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SOIC-8