

Analog Switch / Multiplexer (Mux) IC; On-Resistance, Rds(on):140mohm; Number of Channels:1; Leakage Current:10mA; Package/Case:8-SOP; Mounting Type:Surface Mount

Manufacturers	<u>Microchip Technology, Inc</u>
Package/Case	SOIC-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MIC2025-2YM or [Email to us: sales@ovaga.com](mailto: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

Fault status flag with 3ms filter eliminates false assertions

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



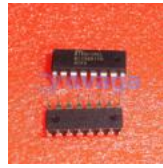
### [MIC2090-1YM5-TR](#)

Microchip Technology, Inc  
SOT-23-5



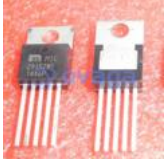
[MIC5841YWM-TR](#)

Microchip Technology, Inc  
SOIC-18



[MIC5891YN](#)

Microchip Technology, Inc  
PDIP-16



[MIC29152WT](#)

Microchip Technology, Inc  
TO-220-5



[MIC5209YM](#)

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