

P-Channel MOSFET, 2 A, 6 V MIC9405, 6-Pin SOT-363 (SC-70) Microchip

Manufacturers	Microchip Technology, Inc
Package/Case	SC70-6
Product Type	Transistors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MIC94053YC6-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC94052/94053 are low on-resistance, 84mW(max) P-channel MOSFETs. They are housed in a Teeny™ SC-70-6 package.

Designed for high-side switch applications where space is critical, the MIC94052/3 exhibit a typical on-resistance of 70mΩ at 4.5V gate-to-source voltage. The devices operate down to 1.8V gate-to-source voltage. Their operating voltage range makes the MIC94052/3 ideal for Li Ion applications as well as other sub-5V load switch applications.

The MIC94053 is an option that includes an internal gate pull-up resistor. The pull-up resistor ensures that the P-channel MOSFET is OFF until actively pulled down. Integrating the pull-up resistor saves valuable board space and reduces component placement cost.

The MIC94052/3 have a junction temperature range of -40°C to +150°C.

Features

1.8V to 5.5V input voltage range

Low on-resistance P-channel MOSFET:

70mΩ at >

2A continuous current

VGS pull-up resistor (MIC94053)

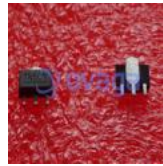
Teeny™ SC-70-6 package

Related Products



[MIC94052YC6-TR](#)

Microchip Technology, Inc
SC70-6



[TN2524N8-G](#)

Microchip Technology, Inc
SOT-89



[DN3525N8-G](#)

Microchip Technology, Inc
SOT-89-3



[DN3135K1-G](#)

Microchip Technology, Inc
SOT-23 (TO-236AB)



[2N3501](#)

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TO-39



[APT5010JFLL](#)

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SOT227



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TO264



[APT20M22JVR](#)

Microchip Technology, Inc
97A/200V/MOS/1U