



## MGSF1N03L

### N MOSFET 30V2.1A100 mΩ

MOSFET RDS(on) (PCMCIA) DC-DC

- Low rDS(on) Provides Higher Efficiency and Extends Battery Life
  - Miniature SOT-23 Surface Mount Package Saves Board Space
  - Pb-Free Packages are Available
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- DC-DC Converters
  - Power Management
  - Computers
  - Printers
  - PCMCIA Cards
  - Cellular Phones
  - Cordless Telephones

	Pricing (\$/Unit)	Compliance	Status	Channel Polarity	Configuration	V <sub>DSS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS(th)</sub> Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (mΩ)	R <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (mΩ)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	C <sub>iss</sub> Typ (pF)	Package Type
MGSF1N03LT1G	0.1249	 	Active	N-Channel	Single	30	20	2.4	2.1	0.69	-	145	100	-	3.2	140	SOT-23-3