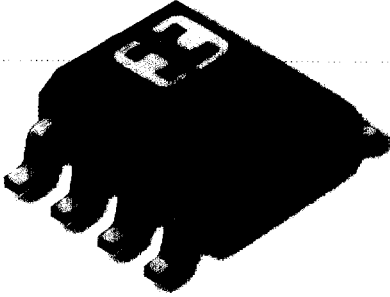


## LittleFET™ SERIES



The LittleFET™ SERIES, comprising the industry's only fully characterized family of SO-8 packaged MOSFETs.

With package height limited to 1.75mm and characterized for operating gate voltages as low as 2.5V, Harris LittleFETs are ideal power controllers for space critical, low-voltage applications such as laptop computers, small DC motors and DC-DC voltage conversion circuits.

### SO-8 STANDARD GATE (10V) DEVICE LittleFET DEVICES

V <sub>DSS</sub> (V)	r <sub>DS(ON)</sub>	I (A)	DEVICE	PACKAGE	CHANNEL
30V	0.030Ω	6.3A	RF1K49157	SO-8	N
	0.060Ω	3.5A	RF1K49086	SO-8	NN
	0.060Ω	3.5A	RF1K49221	SO-8	N
	0.150Ω	2.5A	RF1K49223	SO-8	PP
	0.060Ω/0.150Ω	2.5A	RF1K49224	SO-8	NP

### SO-8 LOGIC LEVEL LittleFET DEVICES

V <sub>DSS</sub> (V)	r <sub>DS(ON)</sub>	I (A)	DEVICE	PACKAGE	CHANNEL
12V	0.020Ω	7A	RF1K49211	SO-8	N
	0.050Ω/0.130Ω	3.5A	RF1K49092	SO-8	NP
	0.050Ω	3.5A	RF1K49090	SO-8	NN
	0.130Ω	2.5A	RF1K49092	SO-8	P
	0.130Ω	3.5A	RF1K49093	SO-8	PP
30V	0.030Ω	6.3A	RF1K49156	SO-8	N
	0.060Ω	3.5A	RF1K49088	SO-8	NN
60V	0.150Ω	2.0A	RF1K49154	SO-8	NN

Parts can be shipped in tape and reel form by placing 96 at the end of the part number.  
EXAMPLE: RFD16N03LSM96 — same as RFD16N03LSM but Tape & Reeled.

## POWER MANAGEMENT

### Advanced Power MOS

#### Features

- Current limiting, voltage clamping
- ESD gate protection
- Thermal protection
- Logic level

#### Applications

- Fault tolerant motor drives
- Stall protection
- Current inrush limiting
- Automotive headlamp drives
- Diagnostic motor controls

### Logic Level MOSFETs

#### Features

- Full drain current rating with 5V gate drive
- Microprocessor and logic compatible
- Electrostatic discharge protected gates available
- Avalanche energy capability available
- Both N and P channel devices
- BV<sub>DSS</sub> rating of 50V to 200V
- Surface mount TO-251/2 (D-PAK), MS-012 (SO-8), TO-262/3 (D<sup>2</sup>-PAK)

#### Applications

- Solid state DC relays
- Lamp drivers
- Stepper motor drives
- Small motor controls
- High side drivers
- SMPS MOSFET predrivers

### Standard RFX and IRFX

#### MOSFETs N and P Channel

#### Features

- Size 1 through 5 die
- All IRF types are avalanche capable
- BV<sub>DSS</sub> up to 1000V

#### Applications

- Offline and DC/DC converters
- Power supplies
- Pulse generators
- Super efficient DC/DC converters
- Solid state DC relays
- Low loss DC switches
- Lamp drivers
- Operational amplifier buffer stage
- Stepper motor drives
- Small motor controls
- Laser diode pulse generators
- SMPS drivers