

Power Management Innovation by Design

DirectFET™ Power MOSFETs for High Performance Processors



The IR Advantage

- Patented dual-sided cooling design
- Compact, surface mount package
- 20V and 30V sync and control chipsets
- Reduces part count up to 60%
- Reduces board space up to 50%
- Double current density (A/in²)

Part Number	FET Function	R _{DS(on)} @ 10V	I _D @ T _{case} = 25°C	Q _{GD} Typical
IRF6623	20V control	5.7mΩ	55A	4nC
IRF6620	20V sync	2.7mΩ	150A	8.8nC
IRF6609	20V sync	2.0mΩ	150A	15nC
IRF6608	30V control	9.0mΩ	55A	16nC
IRF6607	30V sync	3.3mΩ	95A	51nC
IRF6612	30V sync	3.6mΩ	89A	8.8nC
IRF6618	30V sync	2.2mΩ	150A	46nC

Learn more about IR's power management innovation by design for high performance processing: call us at 1-800-981-8699 or visit www.irf.com/innovation2

IR's proprietary DirectFET™ technology is covered by patent 6,624,522 and other patent-pending applications.

International **IR** Rectifier

THE POWER MANAGEMENT LEADER

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