International Rectifier, the power conversion expert, offers optimal power semiconductors for portable, telecom, power supply, computer, motor drive, ballast, and automotive applications. More voltage ratings, from 20 V to 1000 V. More efficiency. More package styles. More silicon in each package.

Web Site
At www.irf.com, you can access nearly 1 gigabyte of technical information about thousands of IR solutions. The hottest new products and technologies. Datasheets for the entire product offering. Spice and Saber models. Search utilities. All of it and more at www. irf.com.

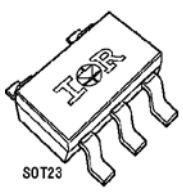
Technical Assistance Center
Call the experts at IR's Technical Assistance Center (310) 252-7105 for assistance with product selection, specifications, part numbers, case styles, cross reference materials, applications and more.

Fax-On-Demand
Datasheets in minutes with IR's Fax-On-Demand service. To use Fax-On-Demand, call (310) 252-7100 from a touch-tone phone and follow the voice menu instructions to order a directory of documents. The directory of documents will provide you with document numbers for over 1300 documents.

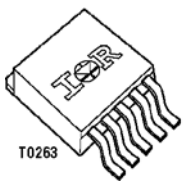
ir-active™ CD-ROM
A web site on a disc! IR's new CD-ROM operates in a web-browser-like environment, but at high speeds the internet can't match. You'll find datasheets for IR's complete product line, plus selection guides, technical literature, Spice and Saber models, application-specific design assistance and worldwide contact information. And those with internet access can link directly to the internet with ir-active live links. To request a CD-ROM call 1-800-981-8699.

LDOs

— NEW —









Shunt Regulators

Mfr.'s Type	Description	Product Type	Package
IRU431-L5TR	Shunt Regulators - LV	Low Dropout Regulator	SOT23-5p
IRU431-L3TR	Shunt Regulators - LV	Low Dropout Regulator	SOT23-3p

Switching Regulator Controllers

IRU3034-CS	Simple Switching Ctrl	Switching Controller	SOIC NB-8p
IRU3033-CS	Simple SW Ctrl + LDO Ctrl	Switching Contrl and Reg	SOIC NB-8p
IRU3027-CW	Sync SW Ctrl + 3 A LDO Ctrl + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-28p
IRU3021M-CW	Sync SW Ctrl + 3 A LDO Ctrl + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-28p
IRU3018-CW	Sync SW Ctrl + 1 A LDO Ctrl + .2 A LDO + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-24p
IRU3012-CW	Sync SW Ctrl + 5 Bit DAC	Switching Controller	SOIC WB-20p
IRU3011-CW	Sync SW Ctrl + 5 Bit DAC	Switching Controller	SOIC WB-20p
IRU3010-CW	Sync SW Ctrl + 5 Bit DAC	Switching Controller	SOIC WB-20p
IRU3008-CW	Sync SW Ctrl + 2 A LDO Ctrl + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-24p
IRU3007-CW	Dual SW Ctrl + 1 A LDO Ctrl + .2 A LDO + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-28p
IRU3004-CW	Sync SW Ctrl + 2 A LDO Ctrl + 5 Bit DAC	Switching Contrl and Reg	SOIC WB-20p

Dual Regulators

IRU1261-CPTR	Dual LDO Regulator Fixed	Combo Regulator	Ultra Thin 7p
IRU1260-CPTR	Dual LDO Regulator	Combo Regulator	Ultra Thin 7p
IRU1240-CPTR	Dual	Combo Regulator	Ultra Thin 7p
IRU1260-CM	Dual LDO Regulator	Combo Regulator	TO263-7p
IRU1261-CM	Dual LDO Regulator Fixed	Combo Regulator	TO263-5p
IRU1240-CSTR	Dual	Combo Regulator	SOIC 8p

Triple Regulators

IRU1237-CPTR	Triple	Combo Regulator	Ultra Thin 7p
IRU1236-CPTR	Triple	Combo Regulator	Ultra Thin 7p

Very Low Dropout Regulators

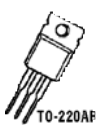
Mfr.'s Type	Description	Product Type	Package
IRU1176-CPTR	7.5 A VLDO Regulator	Very Low Dropout Regulator	Ultra Thin 5p
IRU1175-CPTR	7.5 A VLDO Regulator	Very Low Dropout Regulator	Ultra Thin 5p
IRU1160-CPTR	6.0 A VLDO Regulator	Very Low Dropout Regulator	Ultra Thin 5p
IRU1150-CPTR	4.0 A VLDO Regulator	Very Low Dropout Regulator	Ultra Thin 5p
IRU1176-CM	7.5 A VLDO Regulator	Very Low Dropout Regulator	TO263-5p
IRU1175-CM	7.5 A VLDO Regulator	Very Low Dropout Regulator	TO263-5p
IRU1160-CM	6.0 A VLDO Regulator	Very Low Dropout Regulator	TO263-5p
IRU1150-CM	4.0 A VLDO Regulator	Very Low Dropout Regulator	TO263-5p
IRU1205-CLTR	300 mA VLDO Regulator	Very Low Dropout Regulator	SOT23-5p
IRU1205-36CLTR	300 mA VLDO Fixed Regulator 3.6 V	Very Low Dropout Regulator	SOT23-5p
IRU1205-33CLTR	300 mA VLDO Fixed Regulator 3.3 V	Very Low Dropout Regulator	SOT23-5p
IRU1205-30CLTR	300 mA VLDO Fixed Regulator 3.0 V	Very Low Dropout Regulator	SOT23-5p
IRU1205-25CLTR	300 mA VLDO Fixed Regulator 2.5 V	Very Low Dropout Regulator	SOT23-5p
IRU1206-33CY	1.0 A VLDO Fixed Regulator 3.3 V	Very Low Dropout Regulator	SOT223
IRU1206-25CY	1.0 A VLDO Fixed Regulator 2.5 V	Very Low Dropout Regulator	SOT223
IRU1206-18CY	1.0 A VLDO Fixed Regulator 1.8 V	Very Low Dropout Regulator	SOT223
IRU1209-CS	1.0 A VLDO Regulator	Very Low Dropout Regulator	SOIC 8p
IRU1208-CS	1.0 A VLDO Regulator	Very Low Dropout Regulator	SOIC 8p
IRU1207-33CS	1.0 A VLDO Fixed Regulator 3.3 V	Very Low Dropout Regulator	SOIC 8p
IRU1207-25CS	1.0 A VLDO Fixed Regulator 2.5 V	Very Low Dropout Regulator	SOIC 8p
IRU1207-18CS	1.0 A VLDO Fixed Regulator 1.8 V	Very Low Dropout Regulator	SOIC 8p
IRU1175-CSTR	7.5 A VLDO Regulator	Very Low Dropout Regulator	SOIC 8p
IRU1150-CSTR	4.0 A VLDO Regulator	Very Low Dropout Regulator	SOIC 8p
IRU1206-33CD	1.0 A VLDO Fixed Regulator 3.3 V	Very Low Dropout Regulator	D-PAK
IRU1206-25CD	1.0 A VLDO Fixed Regulator 2.5 V	Very Low Dropout Regulator	D-PAK
IRU1206-18CD	1.0 A VLDO Fixed Regulator 1.8 V	Very Low Dropout Regulator	D-PAK

Low Dropout Regulators

IRU1075-CT	7.5 A LDO Regulator	Low Dropout Regulator	TO220
IRU1075-CP	7.5 A LDO Regulator	Low Dropout Regulator	Ultra Thin 3p
IRU1050-CP	5.0 A LDO Regulator	Low Dropout Regulator	Ultra Thin 2p
IRU1050-33CP	5.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	Ultra Thin 2p
IRU1030-33CP	3.0 A LDO Regulator	Low Dropout Regulator	Ultra Thin 2p
IRU1015-33CP	1.5 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	Ultra Thin 2p
IRU1010-CP	1.0 A LDO Regulator	Low Dropout Regulator	Ultra Thin 2p
IRU1010-33CP	1.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	Ultra Thin 2p
IRU1010-25CP	1.0 A LDO Fixed Regulator 2.5 V	Low Dropout Regulator	Ultra Thin 2p
IRU1010-18CP	1.0 A LDO Fixed Regulator 1.8 V	Low Dropout Regulator	Ultra Thin 2p
IRU1075-CM	7.5 A LDO Regulator	Low Dropout Regulator	TO263-3p
IRU1050-CM	5.0 A LDO Regulator	Low Dropout Regulator	TO263-3p
IRU1050-33CM	5.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO263-3p
IRU1030-CM	3.0 A LDO Regulator	Low Dropout Regulator	TO263-3p
IRU1030-33CM	3.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO263-3p
IRU1015-CM	1.5 A LDO Regulator	Low Dropout Regulator	TO263-3p
IRU1015-33CM	1.5 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO263-3p
IRU1050-CT	5.0 A LDO Regulator	Low Dropout Regulator	TO220
IRU1050-33CT	5.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO220
IRU1030-CT	3.0 A LDO Regulator	Low Dropout Regulator	TO220
IRU1030-33CT	3.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO220
IRU1015-CT	1.5 A LDO Regulator	Low Dropout Regulator	TO220
IRU1015-33CT	1.5 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	TO220
IRU1010-CY	1.0 A LDO Regulator	Low Dropout Regulator	SOT223
IRU1010-33CY	1.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	SOT223
IRU1010-25CY	1.0 A LDO Fixed Regulator 2.5 V	Low Dropout Regulator	SOT223
IRU1010-18CY	1.0 A LDO Fixed Regulator 1.8 V	Low Dropout Regulator	SOT223
IRU1010-CS	1.0 A LDO Regulator	Low Dropout Regulator	SOIC 8p
IRU1010-33CS	1.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	SOIC 8p
IRU1010-25CS	1.0 A LDO Fixed Regulator 2.5 V	Low Dropout Regulator	SOIC 8p
IRU1010-18CS	1.0 A LDO Fixed Regulator 1.8 V	Low Dropout Regulator	SOIC 8p
IRU1050-CD	5.0 A LDO Regulator	Low Dropout Regulator	D-PAK
IRU1050-33CD	5.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	D-PAK
IRU1030-CD	3.0 A LDO Regulator	Low Dropout Regulator	D-PAK
IRU1030-33CD	3.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	D-PAK
IRU1015-CD	1.5 A LDO Regulator	Low Dropout Regulator	D-PAK
IRU1015-33CD	1.5 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	D-PAK
IRU1010-CD	1.0 A LDO Regulator	Low Dropout Regulator	D-PAK
IRU1010-33CD	1.0 A LDO Fixed Regulator 3.3 V	Low Dropout Regulator	D-PAK
IRU1010-25CD	1.0 A LDO Fixed Regulator 2.5 V	Low Dropout Regulator	D-PAK
IRU1010-18CD	1.0 A LDO Fixed Regulator 1.8 V	Low Dropout Regulator	D-PAK

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MOSFETs



HEXSEN™ Power MOSFETs
N Channel

— NEW —

Mfr.'s Type	V(BR)DSS (V)	RDS(on) (Ω)	ID @ 25°C (A)	PD (W)
IRCZ34	60	0.0500	30.00	88.00
IRCZ24	60	0.1000	17.00	60.00
IRC540	100	0.0770	28.00	150.00

HEXSEN™ Power MOSFETs (continued)
N Channel (continued)

Mfr.'s Type	V(BR)DSS (V)	RDS(on) (Ω)	ID @ 25°C (A)	PD (W)
IRC530	100	0.1600	14.00	88.00
IRC640	200	0.1800	18.00	125.00

HEXFET™ Power MOSFETs — TO-220
N-Channel

IRF640N	200	0.1500	18.00	150.00

Logic Level N-Channel

IRL1004	40	0.0065	130.00	200.00
IRL520N	100	0.1800	10.00	48.00

HEXFET™ Power MOSFETs — TO-220 (continued)
P-Channel

Mfr.'s Type	V(BR)DSS (V)	RDS(on) (Ω)	ID @ 25°C (A)	PD (W)
IRF9520N	–100	0.4800	–6.80	48.00

HEXFET™ Power MOSFETs — TO-220AB
N-Channel

IRF1104	40	0.0090	100.00	170.00
IRF3205*	55	0.0080	98.00	150.00
IRF1010N*	55	0.0120	72.00	130.00
IRFZ48N*	55	0.0160	53.00	94.00
IRFZ46N*	55	0.0200	46.00	88.00
IRFZ44N*	55	0.0240	41.00	83.00
IRFZ34N*	55	0.0400	26.00	56.00

*Also Available in D²PAK (TO-263/SMD-220). Add suffix S to the Mfr.'s Type Number. †Also available in D²PAK IRFS11N50A and IRFS9N60A. ‡Indicates "low VGS(th)" which can operate at VGS = 2.7 V.