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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.

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LDOs

— NEW —

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

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

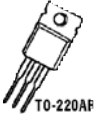
Dual Regulators

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

MOSFETs



HEXSEN™ Power MOSFETs

N-Channel

Mfr.'s Type	V(BR) <sub>oss</sub> (V)	R <sub>DS(on)</sub> (Ω)	I <sub>o</sub> @ 25°C (A)	P <sub>o</sub> (W)
IRC234	60	0.0500	30.00	88.00
IRC224	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) <sub>oss</sub> (V)	R <sub>DS(on)</sub> (Ω)	I <sub>o</sub> @ 25°C (A)	P <sub>o</sub> (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
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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) <sub>oss</sub> (V)	R <sub>DS(on)</sub> (Ω)	I <sub>o</sub> @ 25°C (A)	P <sub>o</sub> (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 D-PAK (TO-263/SMD-220). Add suffix S to the Mfr.'s Type Number. †Also available in D-PAK IRFS11N50A and IRFS9N60A. ‡Indicates "low VGS(th)" which can operate at VGS = 2.7 V.