

International **IR** Rectifier

Data Sheet No. PD60260

IRS2108/IRS21084(S)PbF HALF-BRIDGE DRIVER

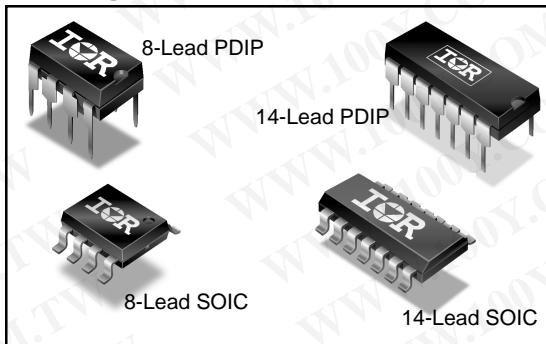
Features

- Floating channel designed for bootstrap operation
- Fully operational to +600 V
- Tolerant to negative transient voltage, dV/dt immune
- Gate drive supply range from 10 V to 20 V
- Undervoltage lockout for both channels
- 3.3 V, 5 V, and 15 V input logic compatible
- Cross-conduction prevention logic
- Matched propagation delay for both channels
- High-side output in phase with HIN input
- Low-side output out of phase with LIN input
- Logic and power ground +/- 5 V offset
- Internal 540 ns deadtime, and programmable up to 5 μ s with one external R_{DT} resistor (IRS21084)
- Lower di/dt gate driver for better noise immunity
- RoHS compliant

Description

The IRS2108/IRS21084 are high voltage, high speed power MOSFET and IGBT drivers with dependent high- and low-side referenced output channels. Proprietary HVIC and latch immune CMOS technologies enable ruggedized monolithic construction. The logic input is compatible with standard CMOS or LSTTL output, down to 3.3 V logic. The output drivers feature a high pulse current buffer stage designed for minimum driver cross-conduction. The floating channel can be used to drive an N-channel power MOSFET or IGBT in the high-side configuration which operates up to 600 V.

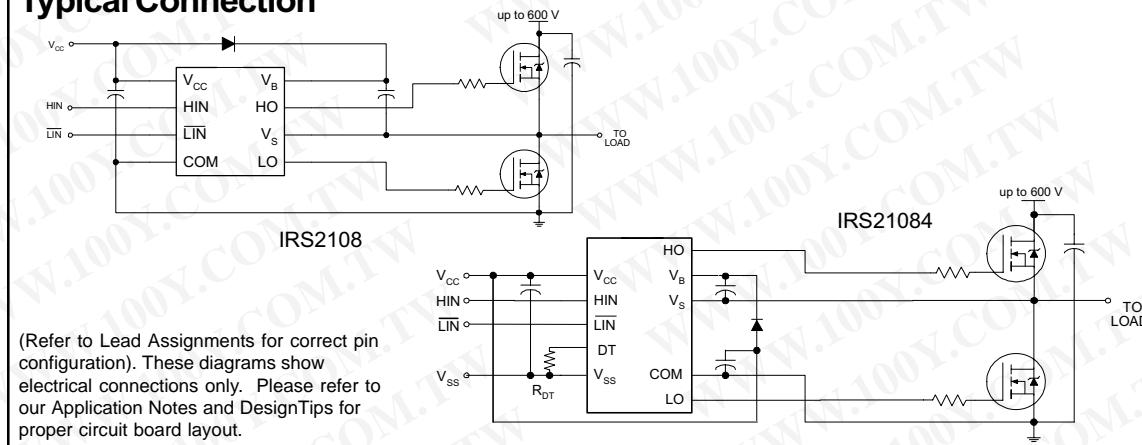
Packages



Feature Comparison

Part	Input logic	Cross-conduction prevention logic	Deadtime (ns)	Ground Pins	t_{on}/t_{off} (ns)
2106/2301	HIN/LIN	no	none	COM	220/200
21064				Vss/COM	
2108	HIN/LIN	yes	Internal 540	COM	220/200
21084			Programmable 540 - 5000	Vss/COM	
2109/2302	IN/SD	yes	Internal 540	COM	750/200
21094			Programmable 540 - 5000	Vss/COM	
2304	HIN/LIN	yes	Internal 100	COM	160/140

Typical Connection



勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

Absolute Maximum Ratings

Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur. All voltage parameters are absolute voltages referenced to COM. The thermal resistance and power dissipation ratings are measured under board mounted and still air conditions.

Symbol	Definition	Min.	Max.	Units
V_B	High-side floating absolute voltage	-0.3	625	V
V_S	High-side floating supply offset voltage	$V_B - 25$	$V_B + 0.3$	
V_{HO}	High-side floating output voltage	$V_S - 0.3$	$V_B + 0.3$	
V_{CC}	Low-side and logic fixed supply voltage	-0.3	25	
V_{LO}	Low-side output voltage	-0.3	$V_{CC} + 0.3$	
DT	Programmable deadtime pin voltage (IRS21084 only)	$V_{SS} - 0.3$	$V_{CC} + 0.3$	
V_{IN}	Logic input voltage (HIN & LIN)	$V_{SS} - 0.3$	$V_{CC} + 0.3$	
V_{SS}	Logic ground (IRS21084 only)	$V_{CC} - 25$	$V_{CC} + 0.3$	
dV_S/dt	Allowable offset supply voltage transient	—	50	V/ns
P_D	Package power dissipation @ $TA \leq +25^\circ C$	(8 lead PDIP)	—	1.0
		(8 lead SOIC)	—	0.625
		(14 lead PDIP)	—	1.6
		(14 lead SOIC)	—	1.0
R_{thJA}	Thermal resistance, junction to ambient	(8 lead PDIP)	—	125
		(8 lead SOIC)	—	200
		(14 lead PDIP)	—	75
		(14 lead SOIC)	—	120
T_J	Junction temperature	—	150	$^\circ C$
T_S	Storage temperature	-50	150	
T_L	Lead temperature (soldering, 10 seconds)	—	300	

Recommended Operating Conditions

The input/output logic timing diagram is shown in Fig. 1. For proper operation the device should be used within the recommended conditions. The V_S and V_{SS} offset rating are tested with all supplies biased at a 15 V differential.

Symbol	Definition	Min.	Max.	Units
V_B	High-side floating supply absolute voltage	$V_S + 10$	$V_S + 20$	V
V_S	High-side floating supply offset voltage	Note 1	600	
V_{HO}	High-side floating output voltage	V_S	V_B	
V_{CC}	Low-side and logic fixed supply voltage	10	20	
V_{LO}	Low-side output voltage	0	V_{CC}	
V_{IN}	Logic input voltage	IRS2108	COM	
		IRS21084	V_{SS}	
DT	Programmable deadtime pin voltage (IRS21084 only)	V_S	V_{CC}	
V_{SS}	Logic ground (IRS21084 only)	-5	5	
T_A	Ambient temperature	-40	125	$^\circ C$

Note 1: Logic operational for V_S of -5 V to +600 V. Logic state held for V_S of -5 V to $-V_{BS}$. (Please refer to the Design Tip DT97-3 for more details).

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

Dynamic Electrical Characteristics

V_{BIAS} (V_{CC} , V_{BS}) = 15 V, V_{SS} = COM, C_L = 1000 pF, T_A = 25 °C, DT = V_{SS} unless otherwise specified.

Symbol	Definition	Min.	Typ.	Max.	Units	Test Conditions
t_{on}	Turn-on propagation delay	—	220	300	ns	$V_S = 0 \text{ V}$
t_{off}	Turn-off propagation delay	—	200	280		$V_S = 0 \text{ V}$ or 600 V
MT	Delay matching $ t_{on} - t_{off} $	—	0	30		
t_r	Turn-on rise time	—	100	220		$V_S = 0 \text{ V}$
t_f	Turn-off fall time	—	35	80		$R_{DT} = 0 \Omega$
DT	Deadtime: LO turn-off to HO turn-on(DT_{LO-HO}) & HO turn-off to LO turn-on (DT_{HO-LO})	400	540	680	μs	$R_{DT} = 200 \text{ k}\Omega$ (IR21084)
		4	5	6		$R_{DT}=0 \Omega$
MDT	Deadtime matching = $ DT_{LO-HO} - DT_{HO-LO} $	—	0	60	ns	$R_{DT}=0 \Omega$
		—	0	600		$R_{DT} = 200 \text{ k}\Omega$ (IR21084)

Static Electrical Characteristics

V_{BIAS} (V_{CC} , V_{BS}) = 15 V, V_{SS} = COM, DT = V_{SS} and T_A = 25 °C unless otherwise specified. The V_{IL} , V_{IH} , and I_{IN} parameters are referenced to V_{SS}/COM and are applicable to the respective input leads: HIN and LIN. The V_O , I_O , and R_{on} parameters are referenced to COM and are applicable to the respective output leads: HO and LO.

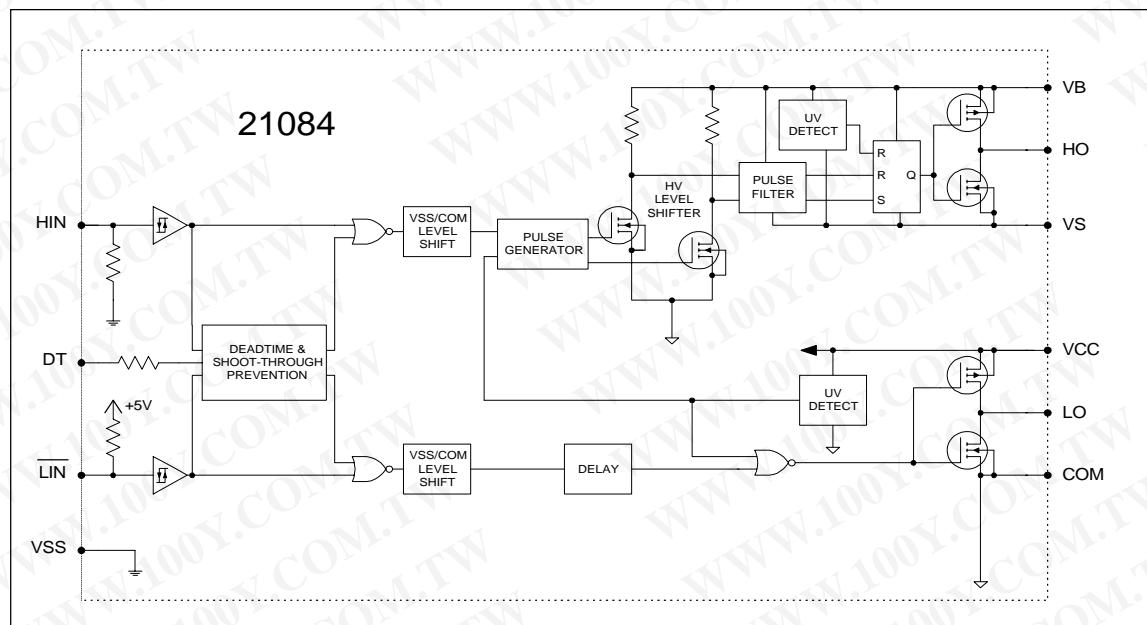
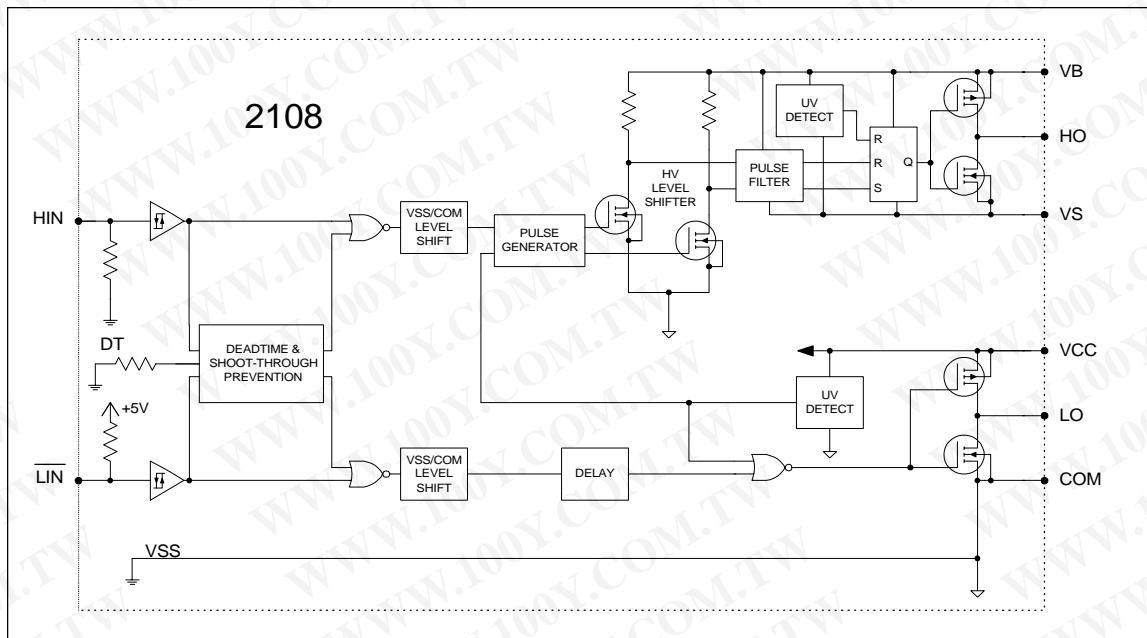
Symbol	Definition	Min.	Typ.	Max.	Units	Test Conditions
V_{IH}	Logic "1" input voltage for HIN & logic "0" for LIN	2.5	—	—	V	$V_{CC} = 10 \text{ V}$ to 20 V
V_{IL}	Logic "0" input voltage for HIN & logic "1" for LIN	—	—	0.8		
V_{OH}	High level output voltage, $V_{BIAS} - V_O$	—	0.05	0.2		
V_{OL}	Low level output voltage, V_O	—	0.02	0.1		
I_{LK}	Offset supply leakage current	—	—	50	μA	$V_B = V_S = 600 \text{ V}$
I_{QBS}	Quiescent V_{BS} supply current	20	75	130		$V_{IN} = 0 \text{ V}$ or 5 V
I_{QCC}	Quiescent V_{CC} supply current	0.4	1.0	1.6	mA	$V_{IN} = 0 \text{ V}$ or 5 V $R_{DT}=0 \Omega$
I_{IN+}	Logic "1" input bias current	—	5	20	μA	$HIN = 5 \text{ V}$, $LIN = 0 \text{ V}$
I_{IN-}	Logic "0" input bias current	—	—	5		$HIN = 0 \text{ V}$, $LIN = 5 \text{ V}$
V_{CCUV+} V_{BSUV+}	V_{CC} and V_{BS} supply undervoltage positive going threshold	8.0	8.9	9.8	V	
V_{CCUV-} V_{BSUV-}	V_{CC} and V_{BS} supply undervoltage negative going threshold	7.4	8.2	9.0		
V_{CCUVH} V_{BSUVH}	Hysteresis	0.3	0.7	—		
I_{O+}	Output high short circuit pulsed current	120	290	—	mA	$V_O = 0 \text{ V}$, $PW \leq 10 \mu\text{s}$
I_{O-}	Output low short circuit pulsed current	250	600	—		$V_O = 15 \text{ V}$, $PW \leq 10 \mu\text{s}$

勝特力材料 886-3-5753170
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

Functional Block Diagram



勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

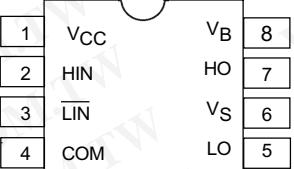
International
IR Rectifier

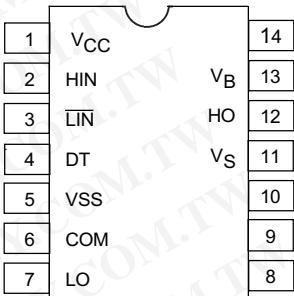
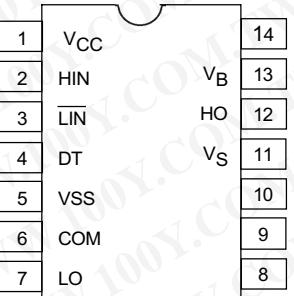
IRS2108/IRS21084(S)PbF

Lead Definitions

Symbol	Description
HIN	Logic input for high-side gate driver output (HO), in phase (referenced to COM for IRS2108 and VSS for IRS21084)
LIN	Logic input for low-side gate driver output (LO), out of phase (referenced to COM for IRS2108 and VSS for IRS21084)
DT	Programmable deadtime lead, referenced to VSS (IR21084 only)
VSS	Logic ground (IRS21084 only)
V _B	High-side floating supply
HO	High-side gate driver output
V _S	High-side floating supply return
V _{CC}	Low-side and logic fixed supply
LO	Low-side gate driver output
COM	Low-side return

Lead Assignments

 8 Lead PDIP	 8 Lead SOIC
IRS2108PbF	IRS2108SPbF

 14 Lead PDIP	 14 Lead SOIC
IRS21084PbF	IRS21084SPbF

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

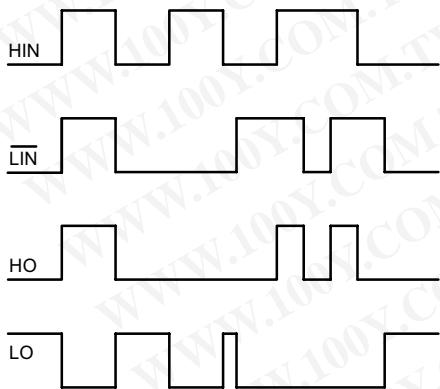


Figure 1. Input/Output Timing Diagram

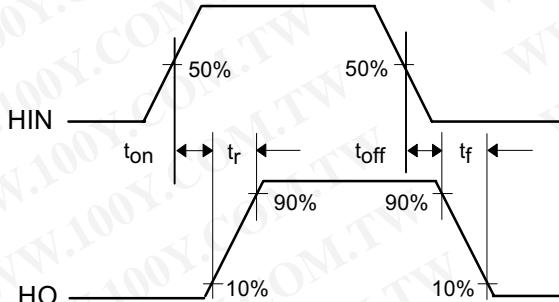
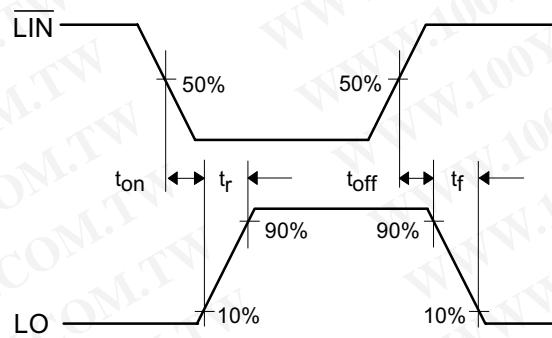


Figure 2. Switching Time Waveform Definitions

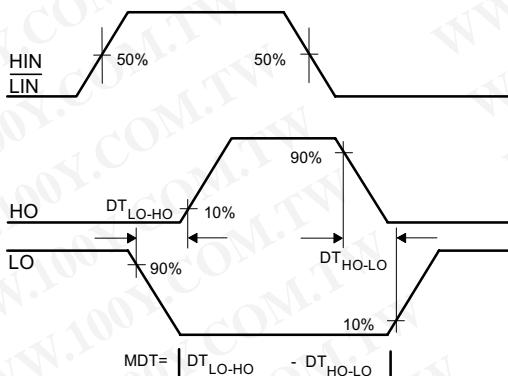


Figure 3. Deadtime Waveform Definitions

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

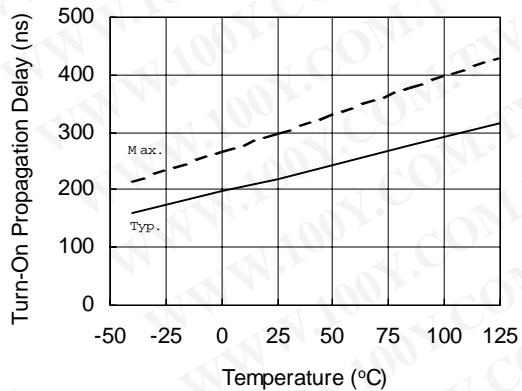


Figure 4A. Turn-On Propagation Delay
vs. Temperature

IRS2108/IRS21084(S)PbF

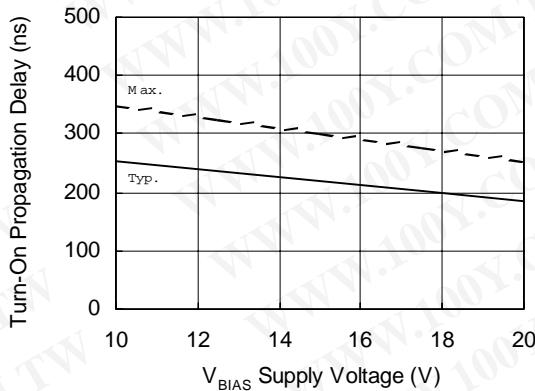


Figure 4B. Turn-On Propagation Delay
vs. Supply Voltage

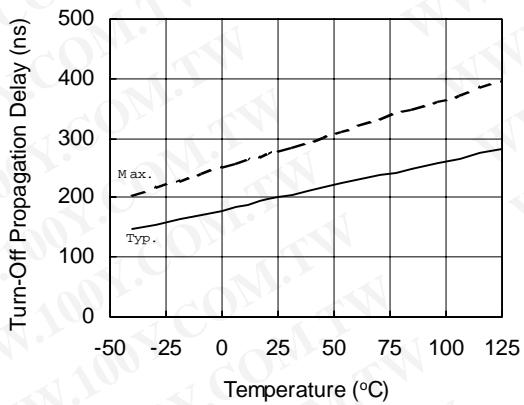


Figure 5A. Turn-Off Propagation Delay
vs. Temperature

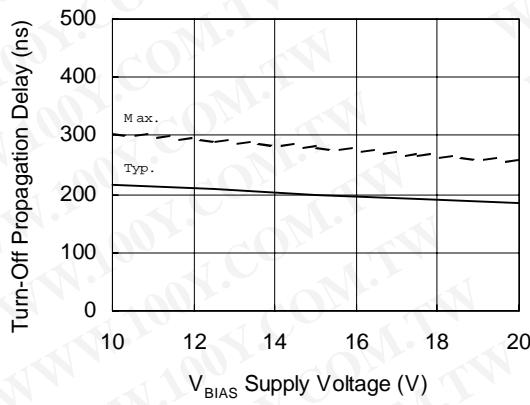


Figure 5B. Turn-Off Propagation Delay
vs. Supply Voltage

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

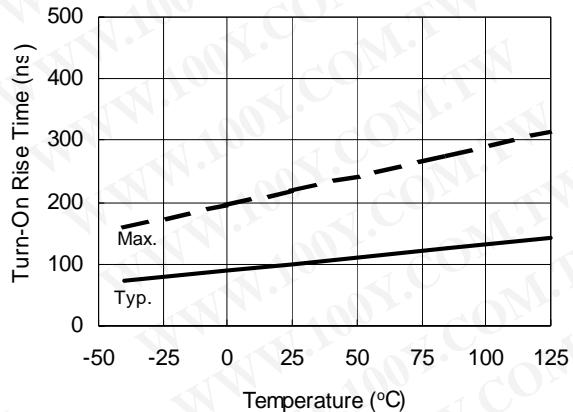


Figure 6A. Turn-On Rise Time
vs. Temperature

IRS2108/IRS21084(S)PbF

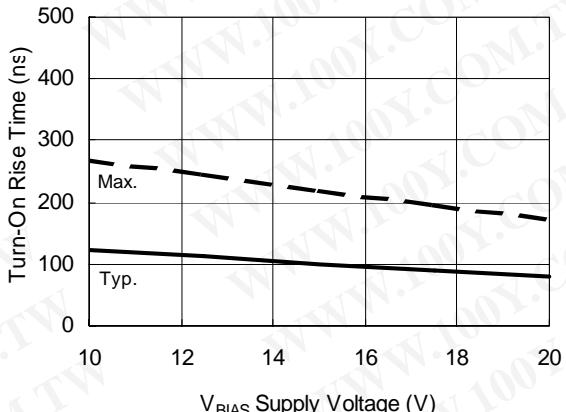


Figure 6B. Turn-On Rise Time
vs. Supply Voltage

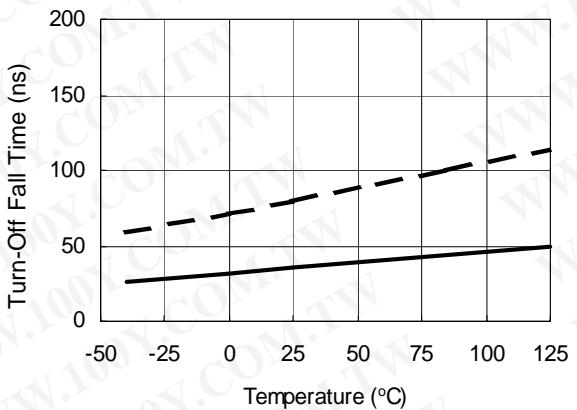


Figure 7A. Turn-Off Fall Time
vs. Temperature

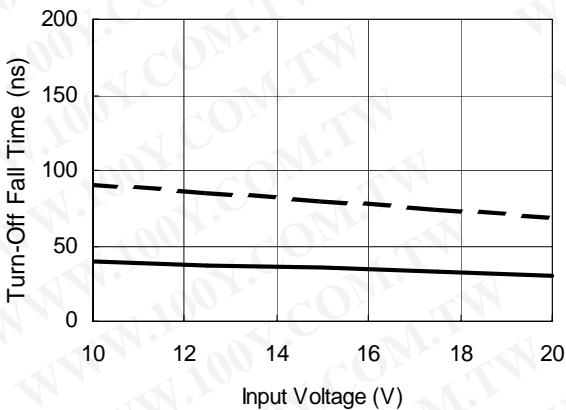


Figure 7B. Turn-Off Fall Time
vs. Input voltage

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

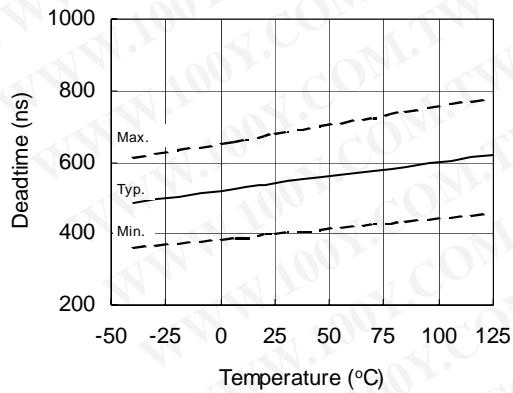


Figure 8A. Deadtime vs. Temperature

IRS2108/IRS21084(S)PbF

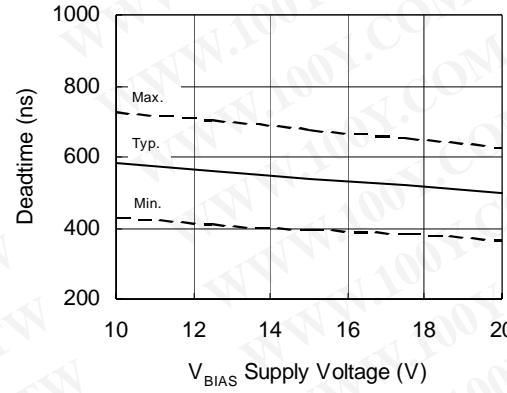


Figure 8B. Deadtime vs. Supply Voltage

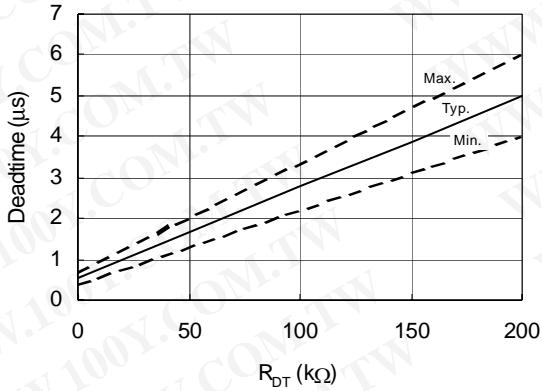


Figure 8C. Deadtime vs. R_{DT}
(IR21084 Only)

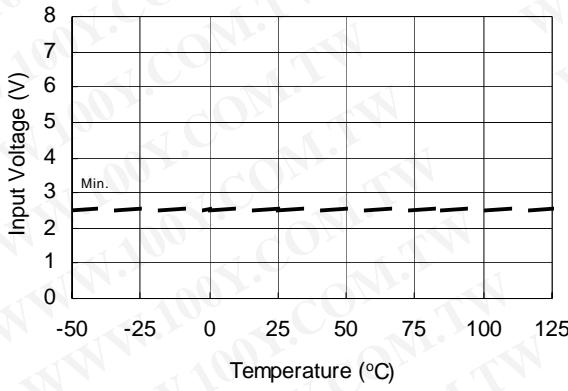


Figure 9A. Logic "1" Input Voltage
vs. Temperature

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

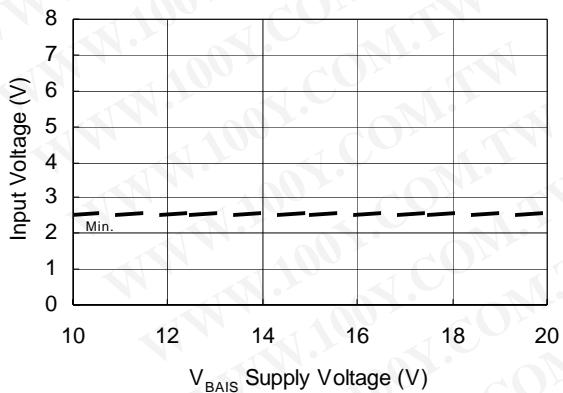


Figure 9B. Logic "1" Input Voltage
vs. Supply Voltage

IRS2108/IRS21084(S)PbF

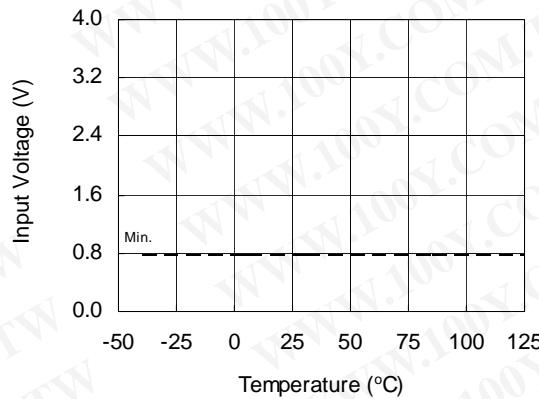


Figure 10A. Logic "0" Input Voltage
vs. Temperature

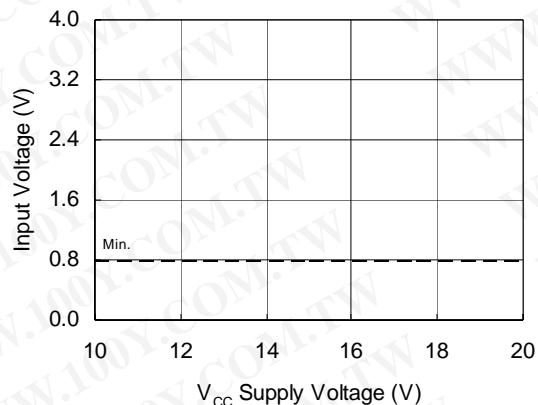


Figure 10B. Logic "0" Input Voltage
vs. Supply Voltage

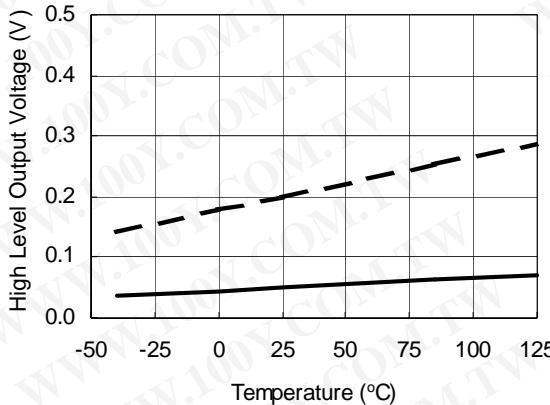


Figure 11A. High Level Output Voltage
vs. Temperature

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

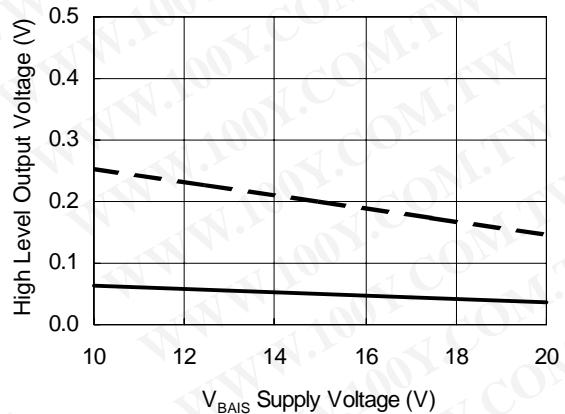


Figure 11B. High Level Output Voltage vs. Supply Voltage

IRS2108/IRS21084(S)PbF

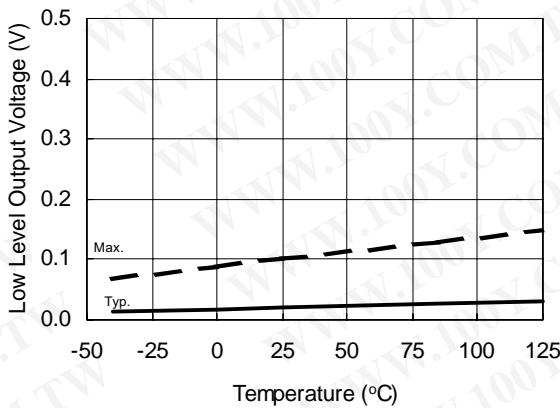


Figure 12A. Low Level Output Voltage vs. Temperature

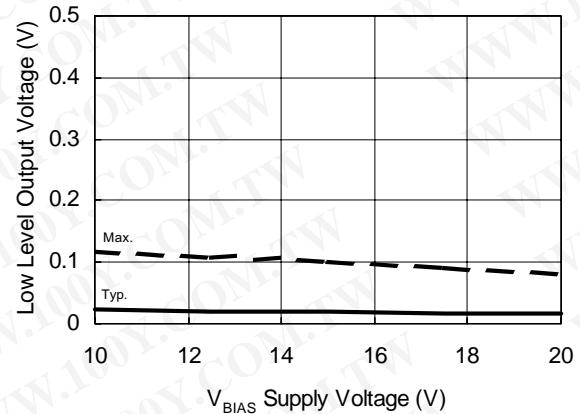


Figure 12B. Low Level Output Voltage vs. Supply Voltage

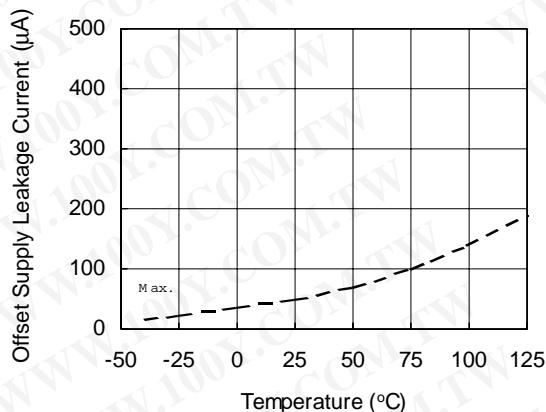


Figure 13A. Offset Supply Leakage Current vs. Temperature

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

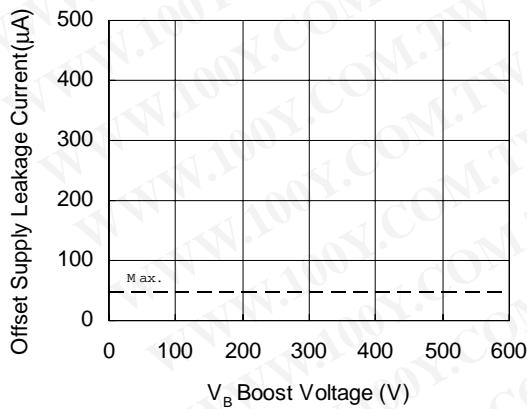


Figure 13B. Offset Supply Leakage Current vs. Temperature

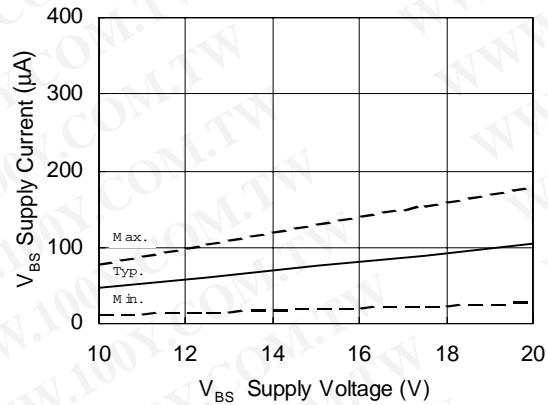


Figure 14B. V_{BS} Supply Current vs. Supply Voltage

IRS2108/IRS21084(S)PbF

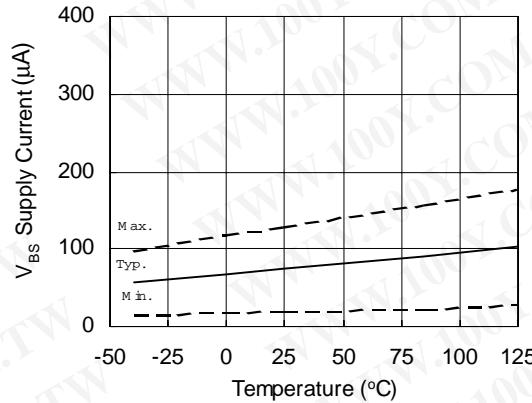


Figure 14A. V_{BS} Supply Current vs. Temperature

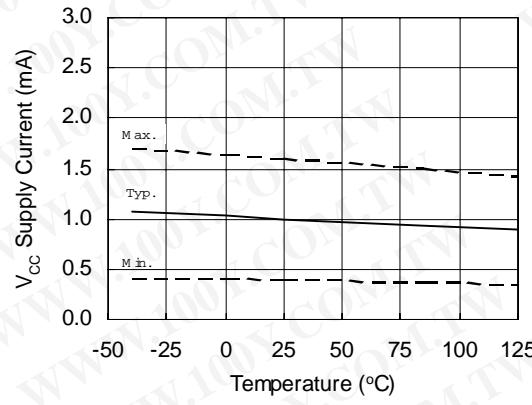


Figure 15A. V_{CC} Supply Current vs. Temperature

International
IR Rectifier

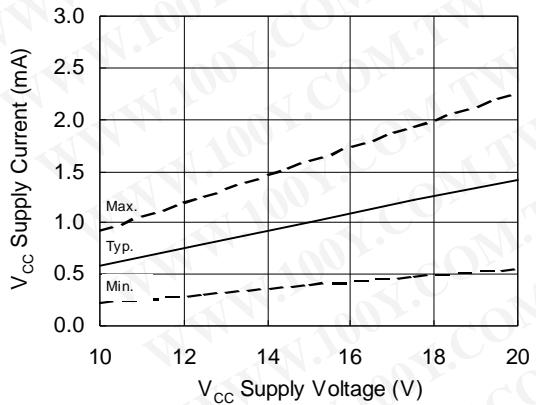


Figure 15B. V_{cc} Supply Current vs. Supply Voltage

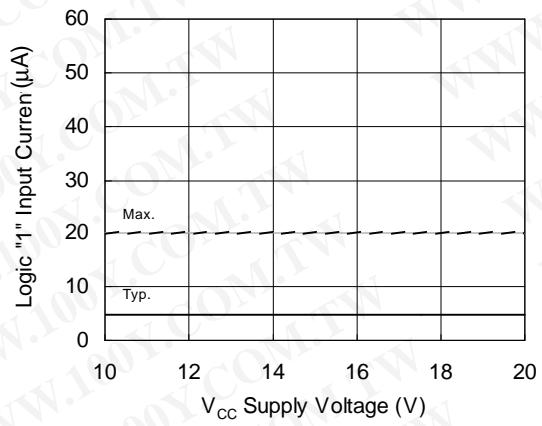


Figure 16B. Logic "1" Input Current vs. Supply Voltage

IRS2108/IRS21084(S)PbF

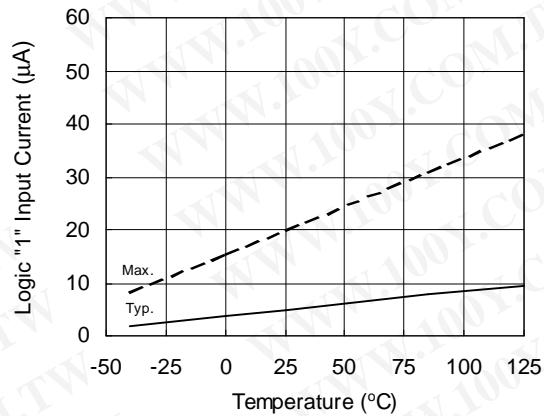


Figure 16A. Logic "1" Input Current vs. Temperature

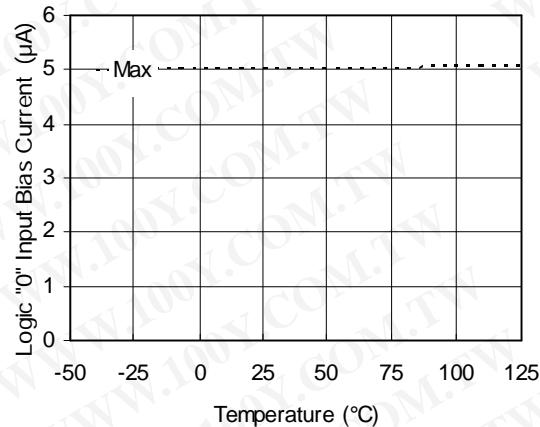


Figure 17A. Logic "0" Input Bias Current vs. Temperature

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

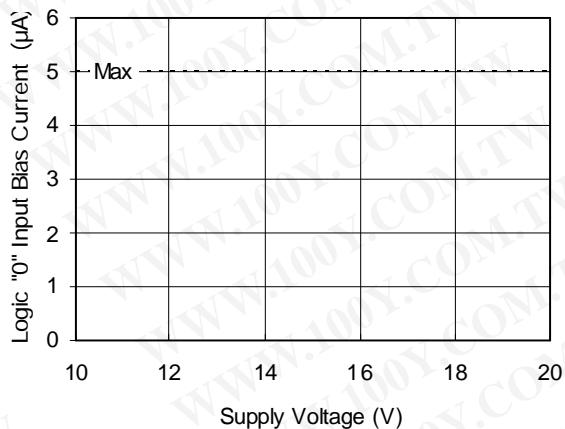


Figure 17B. Logic "0" Input Bias Current
vs. Voltage

IRS2108/IRS21084(S)PbF

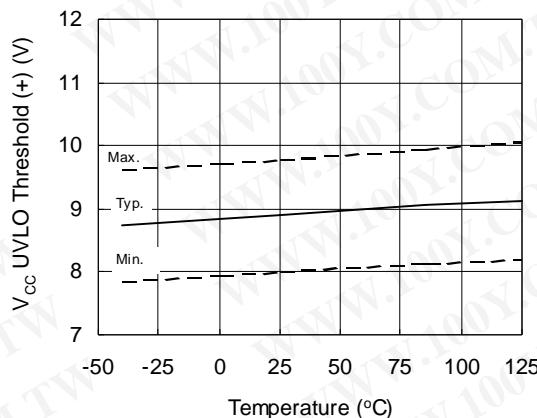


Figure 18. V_{cc} Undervoltage Threshold (+)
vs. Temperature

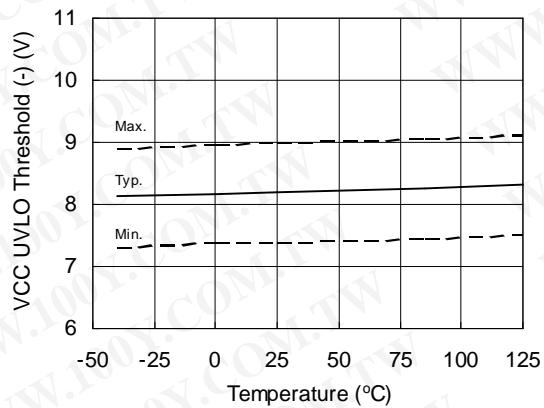


Figure 19. V_{cc} Undervoltage Threshold (-)
vs. Temperature

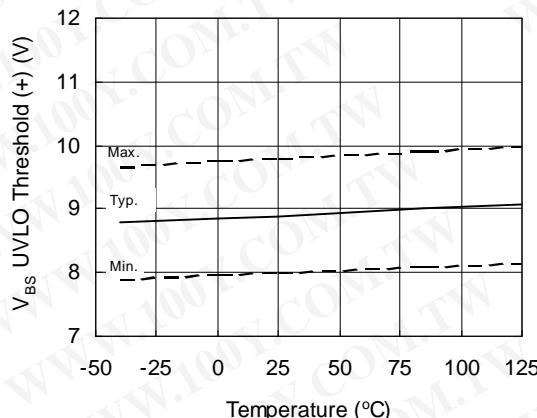


Figure 20. V_{bs} Undervoltage Threshold (+)
vs. Temperature

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

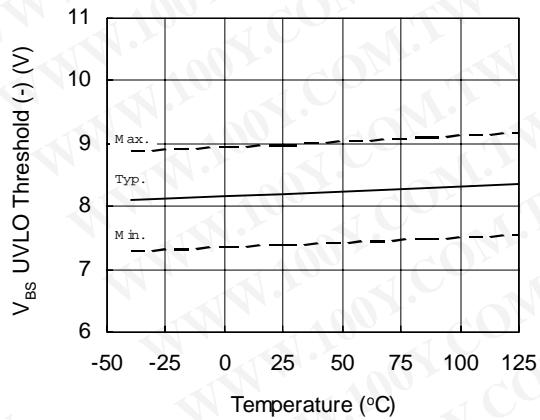


Figure 21. V_{BS} Undervoltage Threshold (-) vs. Temperature

IRS2108/IRS21084(S)PbF

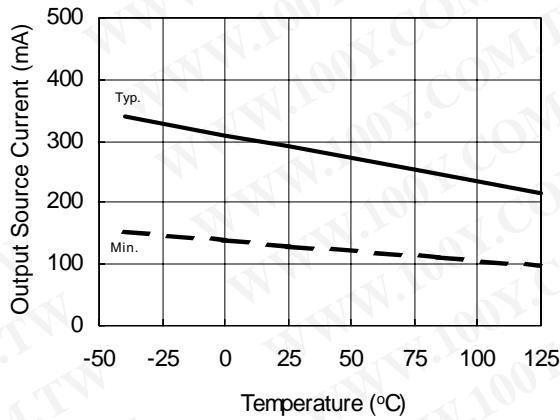


Figure 22A. Output Source Current vs. Temperature

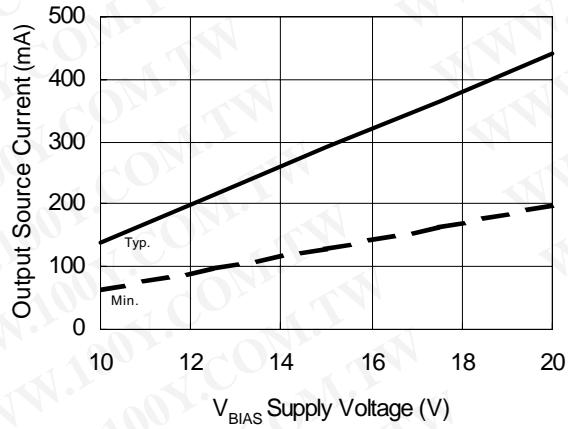


Figure 22B. Output Source Current vs. Supply Voltage

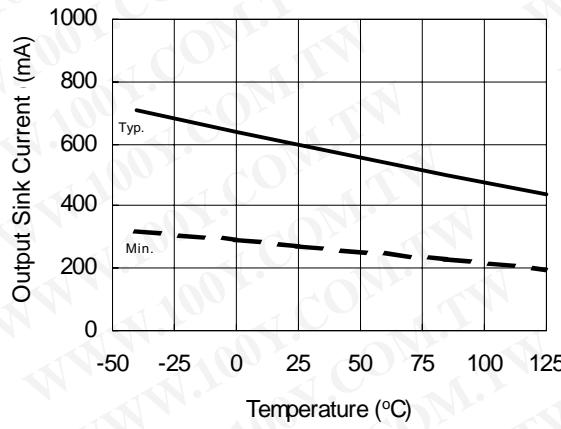


Figure 23A. Output Sink Current vs. Temperature

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

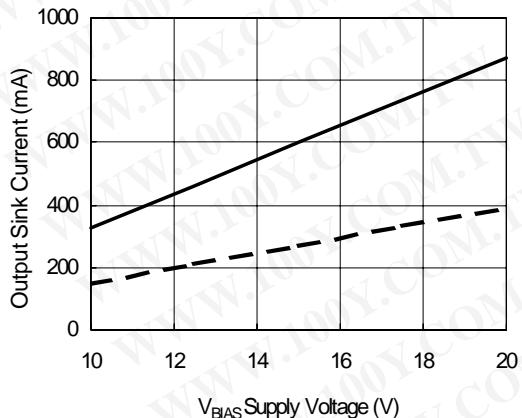


Figure 23B. Output Sink Current vs. Supply Voltage

IRS2108/IRS21084(S)PbF

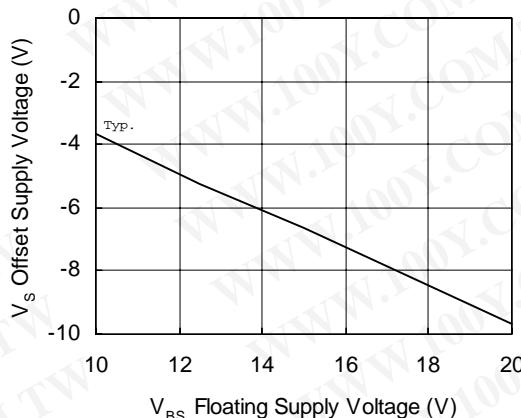


Figure 24. Maximum V_s Negative Offset vs. Supply Voltage

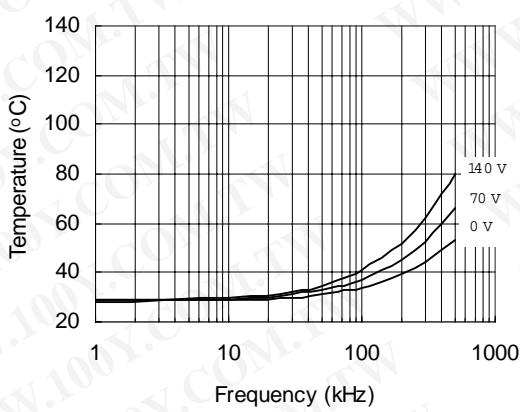


Figure 25. IRS2108 vs. Frequency (IRFB20), R_{gate}=33 Ω, V_{cc}=15 V

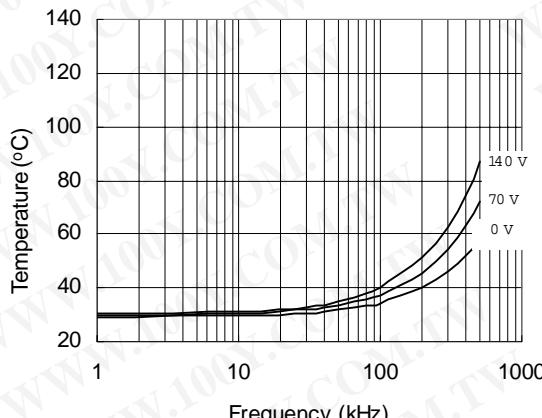


Figure 26. IRS2108 vs. Frequency (IRFB30), R_{gate}=22 Ω, V_{cc}=15 V

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
 Http://www.100y.com.tw

International
IR Rectifier

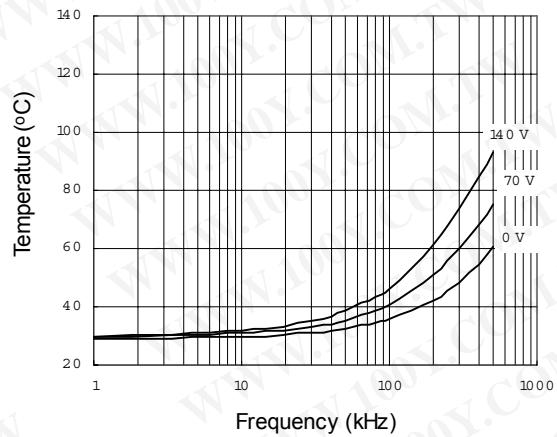


Figure 27. IRS2108 vs. Frequency (IRFBC40),
 $R_{\text{gate}}=15 \Omega$, $V_{\text{cc}}=15 \text{ V}$

IRS2108/IRS21084(S)PbF

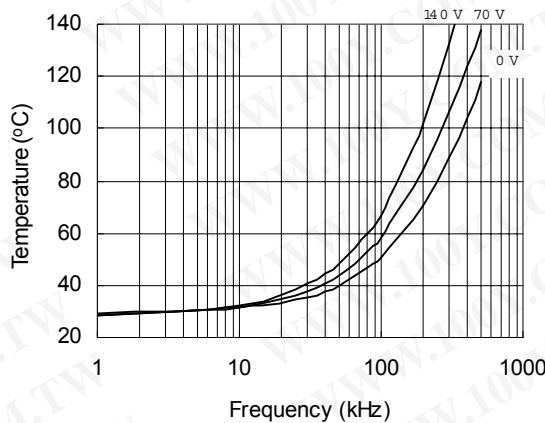


Figure 28. IRS2108 vs. Frequency (IRFPE50),
 $R_{\text{gate}}=10 \Omega$, $V_{\text{cc}}=15 \text{ V}$

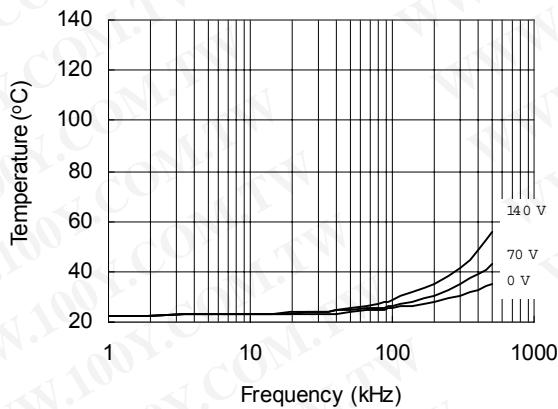


Figure 29. IRS21084 vs. Frequency (IRFBC20),
 $R_{\text{gate}}=33 \Omega$, $V_{\text{cc}}=15 \text{ V}$

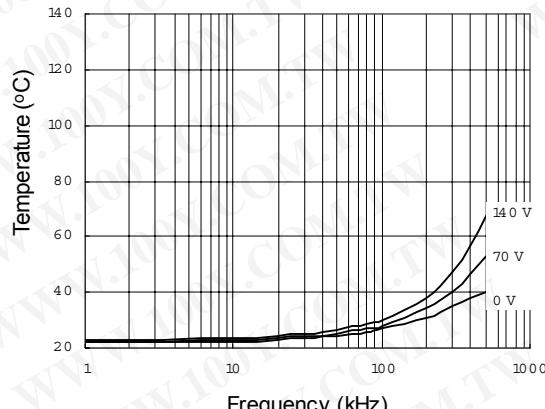


Figure 30. IRS21084 vs. Frequency (IRFBC30),
 $R_{\text{gate}}=22 \Omega$, $V_{\text{cc}}=15 \text{ V}$

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

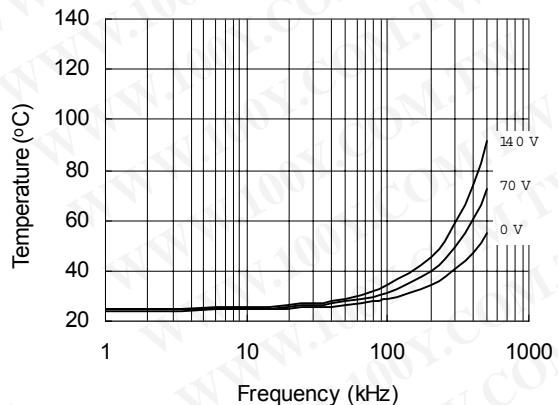


Figure 31. IRS21084 vs. Frequency (IRFBC40),
 $R_{gate} = 15 \Omega$, $V_{CC} = 15$ V

IRS2108/IRS21084(S)PbF

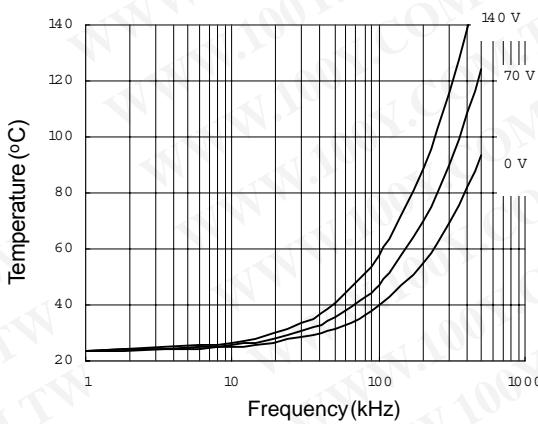


Figure 32. IRS21084 vs. Frequency (IRFPE50),
 $R_{gate} = 10 \Omega$, $V_{CC} = 15$ V

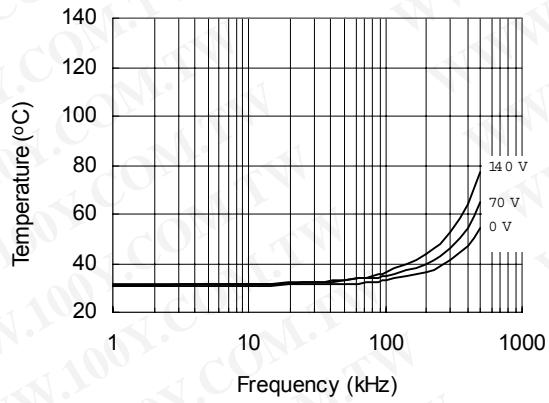


Figure 33. IRS2108S vs. Frequency (IRFBC20),
 $R_{gate} = 33 \Omega$, $V_{CC} = 15$ V

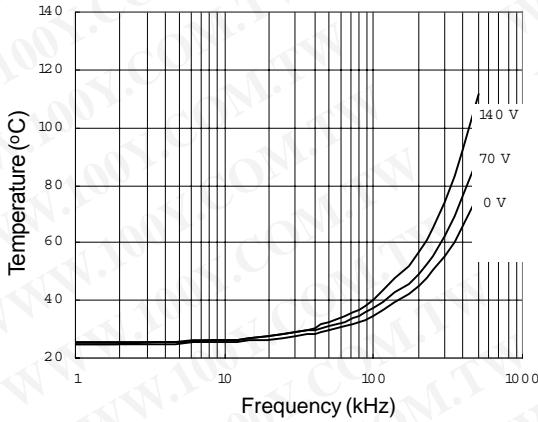


Figure 34. IRS2108S vs. Frequency (IRFBC30),
 $R_{gate} = 22 \Omega$, $V_{CC} = 15$ V

International
IR Rectifier

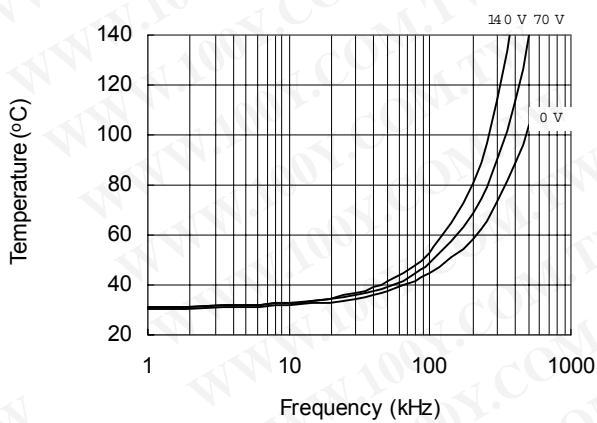


Figure 35. IRS2108S vs. Frequency (IRFBC40),
 $R_{gate}=15\ \Omega$, $V_{cc}=15\ V$

IRS2108/IRS21084(S)PbF

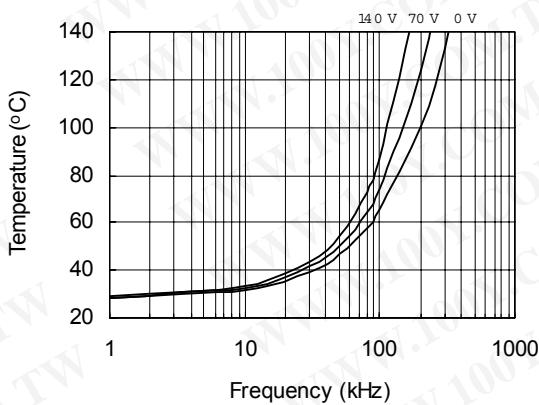


Figure 36. IRS2108S vs. Frequency (IRFPE50),
 $R_{gate}=10\ \Omega$, $V_{cc}=15\ V$

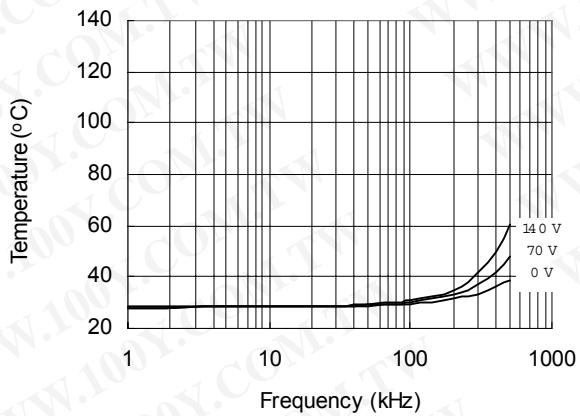


Figure 37. IRS21084S vs. Frequency (IRFBC20),
 $R_{gate}=33\ \Omega$, $V_{cc}=15\ V$

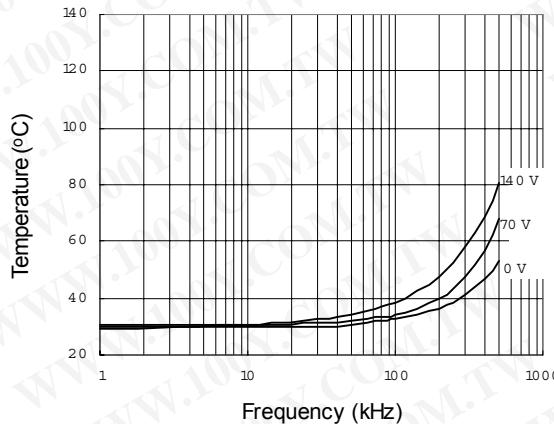


Figure 38. IR21084S vs. Frequency (IRFBC30),
 $R_{gate}=22\ \Omega$, $V_{cc}=15\ V$

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

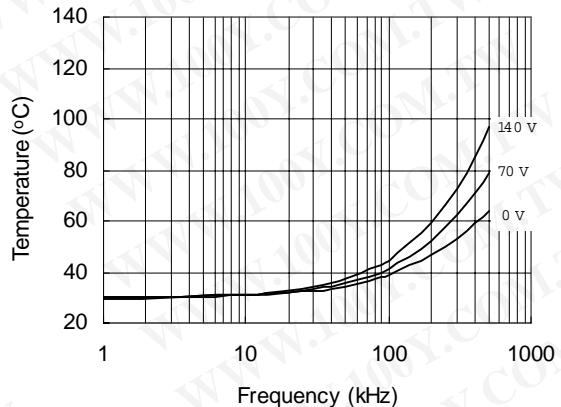


Figure 39. IRS21084S vs. Frequency (IRFBC40),
 $R_{gate}=15\ \Omega$, $V_{cc}=15\ V$

IRS2108/IRS21084(S)PbF

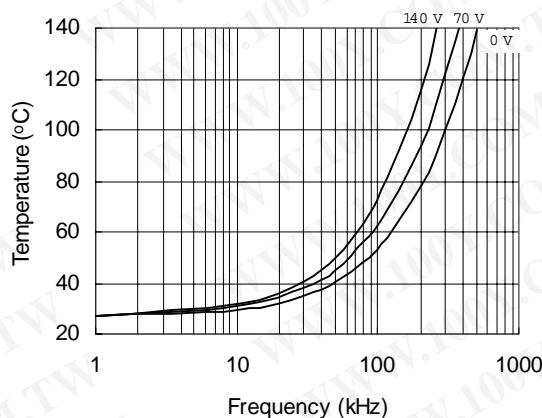


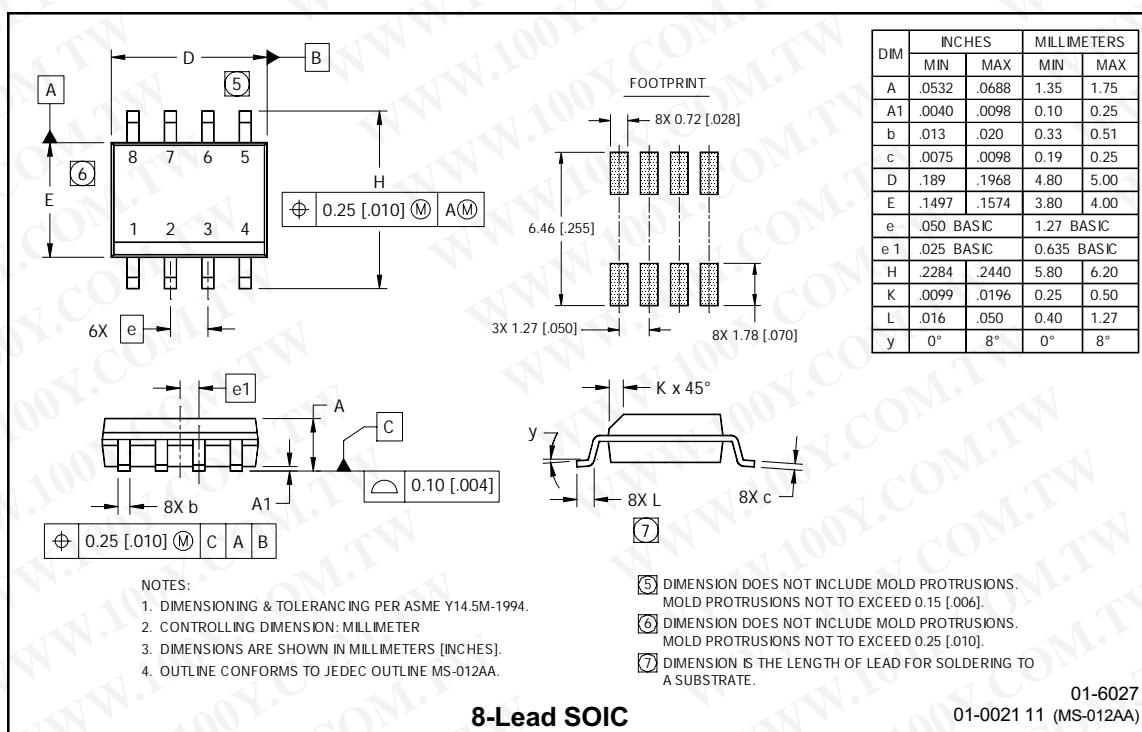
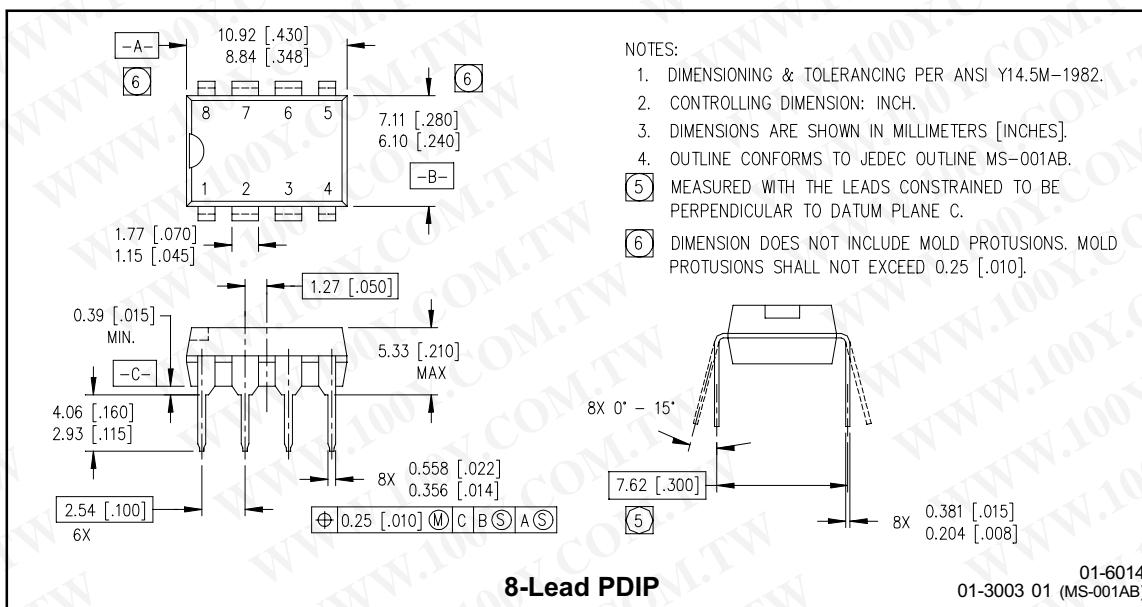
Figure 40. IRS21084S vs. Frequency (IRFPE50),
 $R_{gate}=10\ \Omega$, $V_{cc}=15\ V$

勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

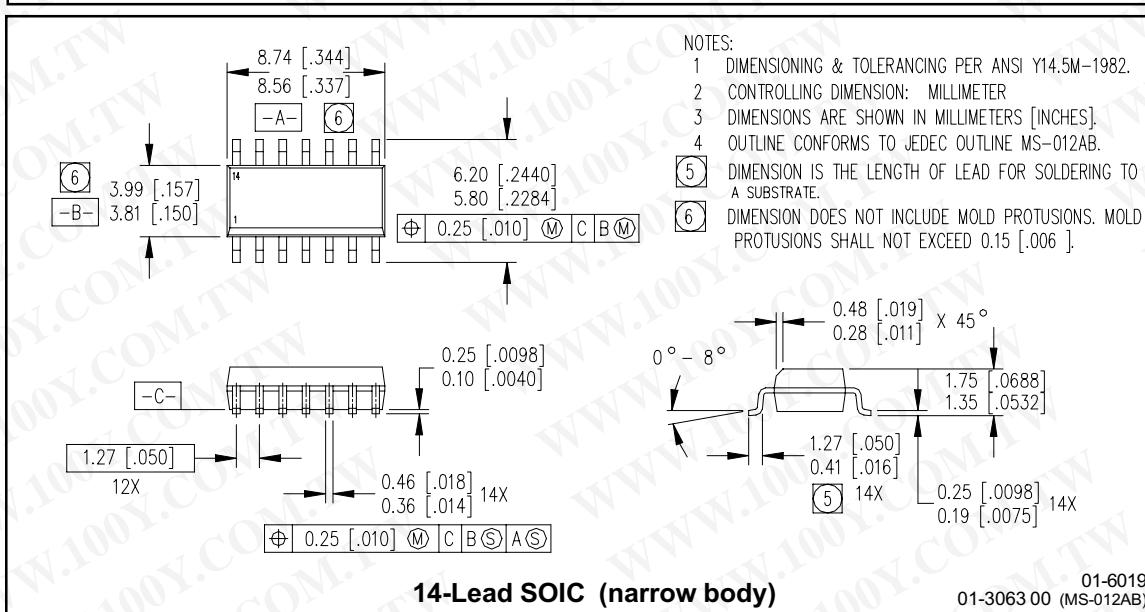
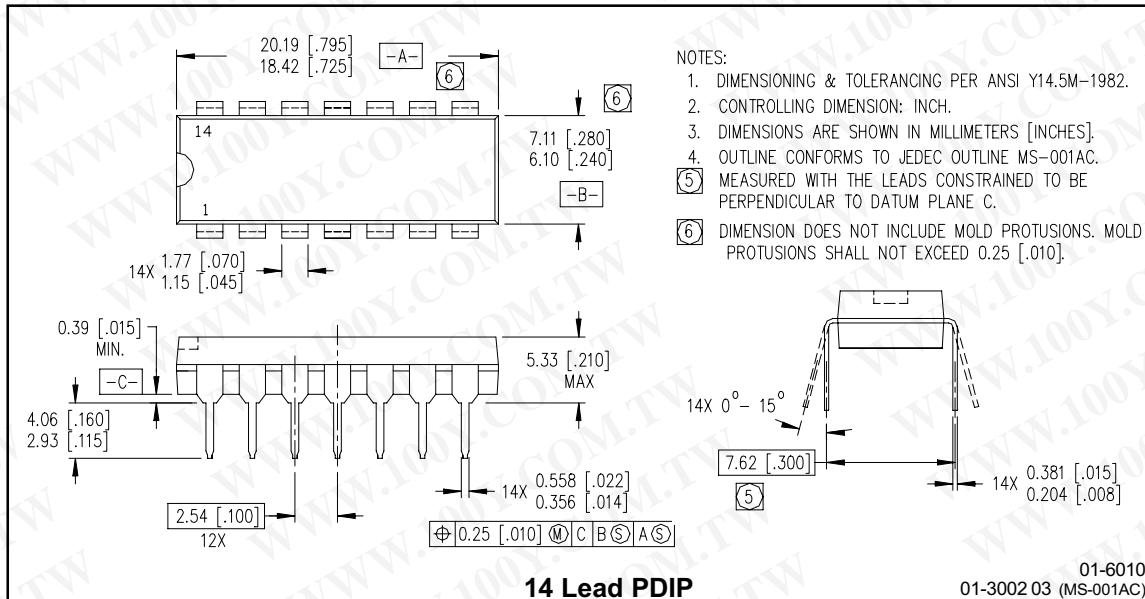
Case outlines



勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

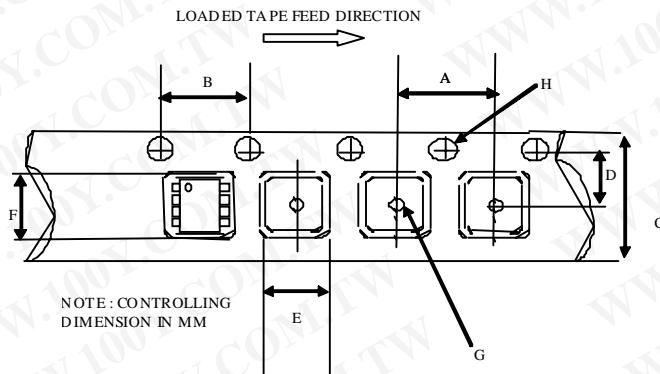


勝特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

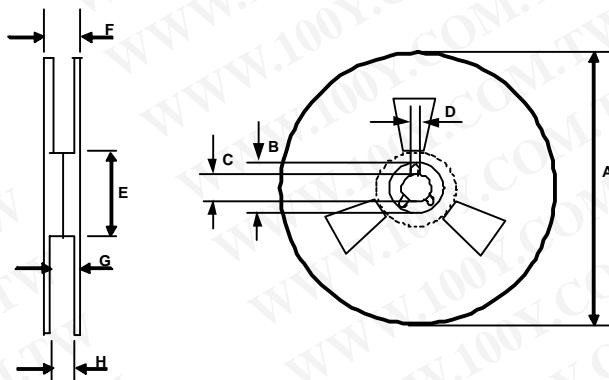
Tape & Reel 8-lead SOIC

IRS2108/IRS21084(S)PbF



CARRIER TAPE DIMENSION FOR 8SOICN

Code	Metric		Imperial	
	Min	Max	Min	Max
A	7.90	8.10	0.311	0.318
B	3.90	4.10	0.153	0.161
C	11.70	12.30	0.46	0.484
D	5.45	5.55	0.214	0.218
E	6.30	6.50	0.248	0.255
F	5.10	5.30	0.200	0.208
G	1.50	n/a	0.059	n/a
H	1.50	1.60	0.059	0.062



REEL DIMENSIONS FOR 8SOICN

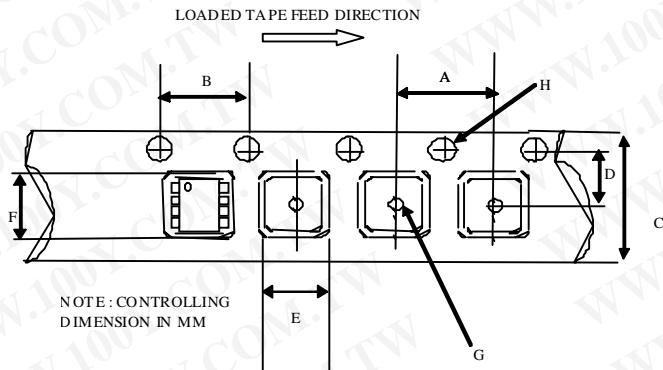
Code	Metric		Imperial	
	Min	Max	Min	Max
A	329.60	330.25	12.976	13.001
B	20.95	21.45	0.824	0.844
C	12.80	13.20	0.503	0.519
D	1.95	2.45	0.767	0.96
E	98.00	102.00	3.858	4.015
F	n/a	18.40	n/a	0.724
G	14.50	17.10	0.570	0.673
H	12.40	14.40	0.488	0.566

胜特力材料 886-3-5753170
 胜特力电子(上海) 86-21-34970699
 胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

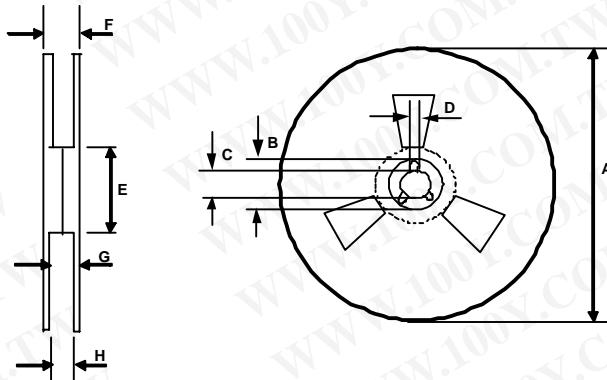
Tape & Reel
14-lead SOIC

IRS2108/IRS21084(S)PbF



CARRIER TAPE DIMENSION FOR 14SOICN

Code	Metric		Imperial	
	Min	Max	Min	Max
A	7.90	8.10	0.311	0.318
B	3.90	4.10	0.153	0.161
C	15.70	16.30	0.618	0.641
D	7.40	7.60	0.291	0.299
E	6.40	6.60	0.252	0.260
F	9.40	9.60	0.370	0.378
G	1.50	n/a	0.059	n/a
H	1.50	1.60	0.059	0.062



REEL DIMENSIONS FOR 14SOICN

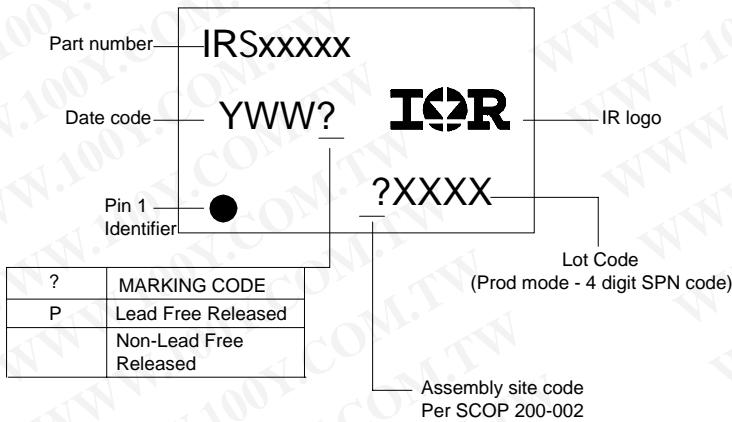
Code	Metric		Imperial	
	Min	Max	Min	Max
A	329.60	330.25	12.976	13.001
B	20.95	21.45	0.824	0.844
C	12.80	13.20	0.503	0.519
D	1.95	2.45	0.767	0.096
E	98.00	102.00	3.858	4.015
F	n/a	22.40	n/a	0.881
G	18.50	21.10	0.728	0.830
H	16.40	18.40	0.645	0.724

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

International
IR Rectifier

IRS2108/IRS21084(S)PbF

LEADFREE PART MARKING INFORMATION



ORDER INFORMATION

8-Lead PDIP IRS2108PbF
8-Lead SOIC IRS2108SPbF
8-Lead SOIC Tape & Reel IRS2108STRPbF

14-Lead PDIP IRS21084PbF
14-Lead SOIC IRS21084SPbF
14-Lead SOIC Tape & Reel IRS21084STRPbF

International
IR Rectifier

SOIC8 &14 are MSL2 qualified.

This product has been designed and qualified for the industrial level.
Qualification standards can be found at www.irf.com

IR WORLD HEADQUARTERS: 233 Kansas St., El Segundo, California 90245, USA Tel: (310) 252-7105
Data and specifications subject to change without notice. 12/4/2006