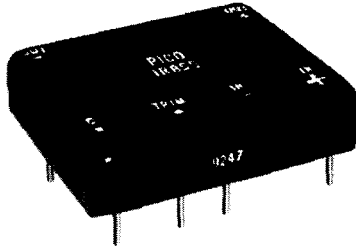


**SERIES IR**  
**Isolated Regulated**  
**up to 10 Watts**  
**DC-DC Converters**  
**Wide Input Range**  
**up to 3.33:1**  
**Fully Regulated**  
**All Units Shielded**

**New 100 VDC**  
**Output Models**



**Now 2 Volts and 3.3 Volts**  
**DC OUTPUT AVAILABLE**

**FEATURES:**

- Voltage regulation over input of
 

LOW	HI
IRE 5V	15V
IRF 8V	24V
IRA 18V	36V
IRB 36V	60V
IRC 18V	60V
- Encapsulated semiconductors conservatively rated for maximum reliability.
- Load regulation (see table for typical variation at different loads)
- Line regulation = Typical values
  - 5-15 V DC = ± 1.5%
  - 8-24 V DC = ± 1.5%
  - 18-36 V DC = ± 1.0%
  - 36-60 V DC = ± 1.0%
  - 18-60 V DC = ± 1.5%
- High efficiency-up to 84%
- Will operate over a temperature range of -25°C to +70°C with no heat sink or electrical derating
- 6 sided shielding
- Isolation-100 megohms at 500 volts DC
- External output trimming pin standard, +5%
- Single and dual isolated outputs
- Each unit is supplied with an external control pin. This 'C' pin, when connected to the negative (-) input, will disable the unit, allowing for remote shutdown.

**OPTIONS AVAILABLE**  
**Selected MIL-STD-883**

- Expanded operating temp. (-55°C to +85°C)
- Stabilization Bake (125°C ambient)
- Temperature Cycle (-55°C to +125°C)
- Hi Temp, full power burn in (100% power, 125°C case temp)

**Low Profile**  
**0.5" Height**

**Delivery -**  
**stock to one week**

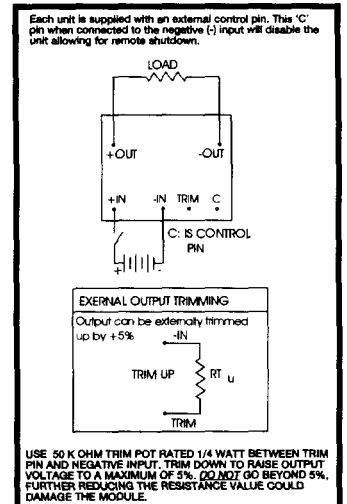
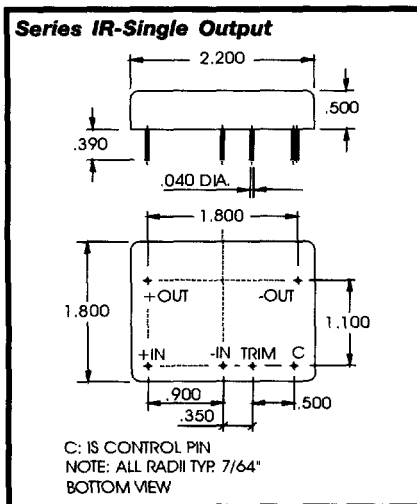
**SERIES IR - SINGLE OUTPUT**

PICO PART NUMBER	*INPUT VOLTAGE RANGE	OUTPUT VOLTAGE DC	MAX. LOAD CURRENT (mA)	MAX. OUTPUT POWER (WATTS)	EFF. @ FULL LOAD TYPICAL (%)*	INPUT CURRENT @ FULL LOAD TYPICAL (mA)*	OUTPUT RIPPLE @ FULL LOAD 1-1 MHz± BW mv p-p*	OUT VOLT TOLERANCE (±%)*	**VLD REG 25% - 100% LOAD (±%)*	LINE REGULATION (±%)*	PRICE 1-24
IRE2S	5-15	2	2000	4	68	588	250	1.50	5.00	5.50	128.40
IRE3.3S	5-15	3.3	1515	5	76	658	250	1.00	3.50	5.00	128.40
IRE5S	5-15	5	1200	6	80	750	175	0.75	2.00	2.00	128.40
IRE5.2S	5-15	5.2	1154	6	80	750	175	0.75	2.00	2.00	128.40
IRE9S	5-15	9	889	8	80	1000	150	0.50	1.50	1.00	128.40
IRE12S	5-15	12	667	8	78	1025	150	0.50	1.50	1.00	128.40
IRE15S	5-15	15	533	8	78	1025	150	0.50	1.50	1.00	128.40
IRE24S	5-15	24	333	8	82	975	150	0.50	0.75	1.00	128.40
IRE28S	5-15	28	286	8	83	965	200	0.50	0.50	0.50	128.40
IRE48S	5-15	48	167	8	83	905	250	0.50	0.50	0.50	128.40
IRE100S	5-15	100	60	6	80	760	300	0.50	0.50	0.75	160.50
IRF2S	8-24	2	2500	5	70	448	250	1.50	4.00	4.00	128.40
IRF3.3S	8-24	3.3	2424	8	77	650	200	1.00	2.50	2.50	128.40
IRF5S	8-24	5	2000	10	80	780	200	0.75	1.50	1.75	128.40
IRF5.2S	8-24	5.2	1923	10	80	780	200	0.75	1.50	1.75	128.40
IRF9S	8-24	9	1111	10	81	770	150	0.50	0.75	1.25	128.40
IRF12S	8-24	12	833	10	78	800	150	0.50	0.75	0.75	128.40
IRF15S	8-24	15	687	10	78	800	150	0.50	0.75	0.75	128.40
IRF24S	8-24	24	417	10	83	755	150	0.50	0.75	0.75	128.40
IRF28S	8-24	28	357	10	83	755	200	0.50	0.50	0.50	128.40
IRF48S	8-24	48	208	10	84	745	250	0.50	0.50	0.50	128.40
IRF100S	8-24	100	100	10	80	780	300	0.50	0.50	0.75	160.50
IRA2S	18-36	2	3000	6	71	313	200	1.50	4.00	2.50	128.40
IRA3.3S	18-36	3.3	2727	9	78	427	200	1.00	2.00	1.50	128.40
IRA5S	18-36	5	2000	10	81	455	125	0.75	1.25	0.75	128.40
IRA5.2S	18-36	5.2	1923	10	81	455	125	0.75	1.25	0.75	128.40
IRA9S	18-36	9	1111	10	83	445	100	0.50	1.00	0.50	128.40
IRA12S	18-36	12	833	10	78	475	75	0.50	1.00	0.25	128.40
IRA15S	18-36	15	687	10	78	475	75	0.50	0.75	0.25	128.40
IRA24S	18-36	24	417	10	83	445	75	0.50	0.75	0.25	128.40
IRA28S	18-36	28	357	10	83	445	100	0.50	0.75	0.25	128.40
IRA48S	18-36	48	208	10	84	440	150	0.50	0.50	0.25	128.40
IRA100S	18-36	100	100	10	81	455	250	0.50	0.50	0.50	160.50
IRB2S	36-60	2	3000	6	70	179	200	1.50	3.50	1.50	149.80
IRB3.3S	36-60	3.3	2727	9	76	247	200	1.00	2.00	1.50	149.80
IRB5S	36-60	5	2000	10	81	255	125	0.75	1.25	0.50	149.80
IRB5.2S	36-60	5.2	1923	10	81	255	125	0.75	1.25	0.50	149.80
IRB9S	36-60	9	1111	10	83	250	100	0.50	0.75	0.50	149.80
IRB12S	36-60	12	833	10	83	260	75	0.50	0.75	0.25	149.80
IRB15S	36-60	15	687	10	83	250	75	0.50	0.75	0.25	149.80
IRB24S	36-60	24	417	10	83	260	75	0.50	0.75	0.25	149.80
IRB28S	36-60	28	357	10	83	260	100	0.50	0.50	0.25	149.80
IRB48S	36-60	48	208	10	84	250	150	0.50	0.50	0.25	149.80
IRB100S	36-60	100	100	10	81	255	250	0.50	0.50	0.50	187.25
IRC2S	18-60	2	3000	6	70	220	200	1.50	4.00	3.00	160.50
IRC3.3S	18-60	3.3	2727	9	76	304	200	1.00	2.00	1.50	160.50
IRC5S	18-60	5	2000	10	81	320	125	0.75	1.25	1.00	160.50
IRC5.2S	18-60	5.2	1923	10	81	320	125	0.75	1.25	1.00	160.50
IRC9S	18-60	9	1111	10	83	310	100	0.50	0.75	0.75	160.50
IRC12S	18-60	12	833	10	83	310	75	0.50	0.75	0.50	160.50
IRC15S	18-60	15	687	10	83	310	75	0.50	0.75	0.50	160.50
IRC24S	18-60	24	417	10	83	310	75	0.50	0.75	0.50	160.50
IRC28S	18-60	28	357	10	83	310	100	0.50	0.50	0.50	160.50
IRC48S	18-60	48	208	10	84	305	150	0.50	0.50	0.50	160.50
IRC100S	18-60	100	100	10	81	310	250	0.50	0.50	0.75	200.63

\*Measurements taken with input voltage set at mid value.

\*\*10% minimum load required.

Ordering Instructions: No minimum. Net 30 days F.O.B. Pelham, New York



Typical Weight: 95 Grams