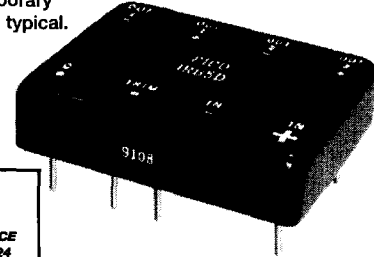


This series of high efficiency, wide input range, encapsulated regulators come in 90 different models. These units feature a 500 VOLT DC input to output isolation in both single and dual output models. The IR series will operate over a temperature range of -25°C to +70°C with no heat sink or electrical derating. These units are excellent for applications where input voltage varies dramatically, yet a high efficiency and output voltage regulation must be maintained.

TYPICAL CHARACTERISTICS:

- Test conditions:** 25°C ambient
- Operating temperature:** - 25°C to 70°C ambient
- Output voltage tolerance:** ±1% at typical input voltage
- Output voltage temperature coefficient:** 0.02%/°C
- Storage temperature:** -55°C to +125°C
- Short circuit protection:** Temporary
- Operating frequency:** 40 Khtz, typical.



SERIES IR - DUAL OUTPUT

PICO PART NUMBER	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE DC	MAX. LOAD CURRENT PER OUTPUT (mA)	MAX. OUTPUT POWER PER OUTPUT (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 REQ 25% - 100% LOAD (±%)*	LINE REGULATION (±%)*	PRICE 1-24
IRE5D	5-15	5	600	3	80	750	175	0.75	2.00	2.00	155.15
IRE9D	5-15	9	444	4	80	1000	150	0.50	1.50	1.00	155.15
IRE12D	5-15	12	333	4	78	1025	150	0.50	1.50	1.00	155.15
IRE15D	5-15	15	267	4	78	1025	150	0.50	1.50	1.00	155.15
IRE24D	5-15	24	167	4	82	975	150	0.50	0.75	1.00	155.15
IRE28D	5-15	28	143	4	83	965	200	0.50	0.50	0.50	155.15
IRE48D	5-15	48	83	4	83	965	250	0.50	0.50	0.50	155.15
IRF5D	8-24	5	1000	5	80	780	200	0.75	1.50	1.75	155.15
IRF9D	8-24	9	556	5	81	770	150	0.50	0.75	1.25	155.15
IRF12D	8-24	12	417	5	78	800	150	0.50	0.75	0.75	155.15
IRF15D	8-24	15	333	5	78	800	150	0.50	0.75	0.75	155.15
IRF24D	8-24	24	208	5	83	755	150	0.50	0.75	0.75	155.15
IRF28D	8-24	28	179	5	83	755	200	0.50	0.50	0.50	155.15
IRF48D	8-24	48	104	5	84	745	250	0.50	0.50	0.50	155.15
IRA5D	18-36	5	1000	5	81	455	125	0.75	1.25	0.75	155.15
IRA9D	18-36	9	556	5	83	445	100	0.50	1.00	0.50	155.15
IRA12D	18-36	12	417	5	78	475	75	0.50	1.00	0.25	155.15
IRA15D	18-36	15	333	5	78	475	75	0.50	0.75	0.25	155.15
IRA24D	18-36	24	208	5	83	445	75	0.50	0.75	0.25	155.15
IRA28D	18-36	28	179	5	83	445	100	0.50	0.75	0.25	155.15
IRA48D	18-36	48	104	5	84	440	150	0.50	0.50	0.25	155.15
IRB5D	36-60	5	1000	5	81	255	125	0.75	1.25	0.50	176.55
IRB9D	36-60	9	556	5	83	250	100	0.50	0.75	0.50	176.55
IRB12D	36-60	12	417	5	83	250	75	0.50	0.75	0.25	176.55
IRB15D	36-60	15	333	5	83	250	75	0.50	0.75	0.25	176.55
IRB24D	36-60	24	208	5	83	250	75	0.50	0.75	0.25	176.55
IRB28D	36-60	28	179	5	83	250	100	0.50	0.50	0.25	176.55
IRB48D	36-60	48	104	5	84	250	150	0.50	0.50	0.25	176.55
IRC5D	18-60	5	1000	5	81	320	125	0.75	1.25	1.00	187.25
IRC9D	18-60	9	556	5	83	310	100	0.50	0.75	0.75	187.25
IRC12D	18-60	12	417	5	83	310	75	0.50	0.75	0.50	187.25
IRC15D	18-60	15	333	5	83	310	75	0.50	0.75	0.50	187.25
IRC24D	18-60	24	208	5	83	310	75	0.50	0.75	0.50	187.25
IRC28D	18-60	28	179	5	83	310	100	0.50	0.50	0.50	187.25
IRC48D	18-60	48	104	5	84	305	150	0.50	0.50	0.50	187.25

No Heat Sink or Electrical Derating Required

OPTIONS AVAILABLE Selected MIL-STD-883

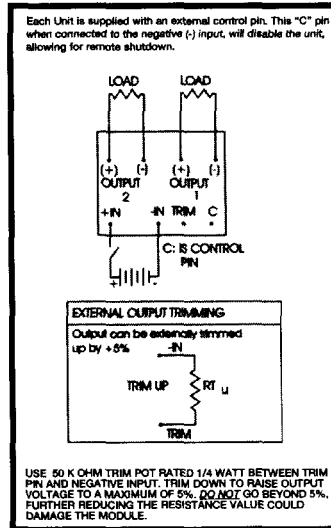
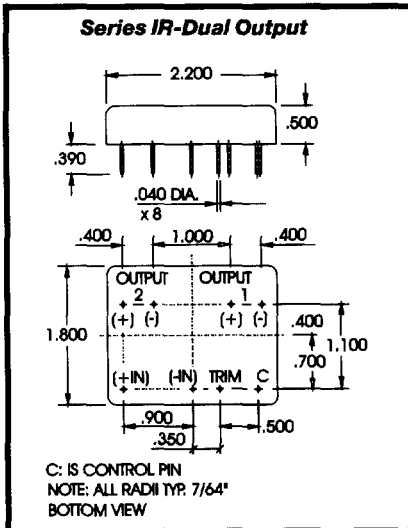
- Expanded operating temp. (-55°C to +85°C)
- Stabilization Bake (125°C ambient)
- Temperature Cycle (-55°C to +125°C)
- Hi Temp, full power burn in (100% power, 125°C case temp)

Low Profile 0.5" Height

*Measurements taken with input voltage set at mid value.
Ordering Instructions: No minimum. Net 30 days F.O.B. Pelham, New York

** 10% minimum load required.

For immediate engineering assistance or to place an order -
Call Toll Free 800-431-1064



Typical Weight: 95 Grams

Delivery - stock to one week

PICO Electronics, Inc.

143 Sparks Avenue,
Pelham, NY 10803-1837

FAX 914-738-8225

www.picoelectronics.com

E-Mail: info@picoelectronics.com