

# 3 WATT RA/RC/RE/RH SERIES

## FEATURES

Compact single-in-line package (SIP)

Input/output isolation

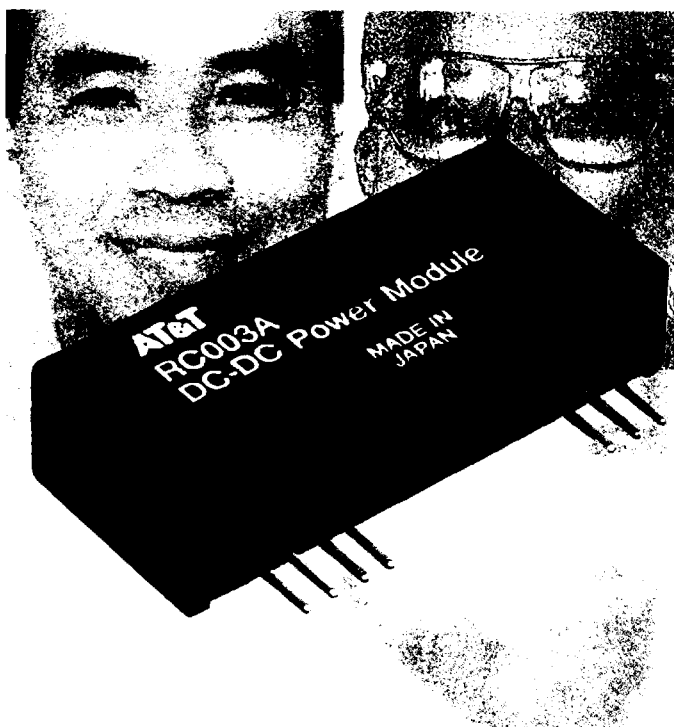
Output current limiting, unlimited duration

Ultralow noise

Wide range input

High efficiency

UL recognized



The input-to-output isolation of these units allows flexible grounding and polarity for your supervisory, analog circuitry, and operational amplifier applications. Their single-in-line package (SIP) design occupies only 0.75 square inch of board space, while providing single 5 V, 12 V, 15 V, or dual  $\pm 12$  V or  $\pm 15$  V outputs.

Select the appropriate lead forming to fit this module on your existing board.

These units feature current limiting, high reliability, and complete internal filtering.

## SELECTION CHART

| Input Vdc         | Output Vdc                   | Optional Features                   |
|-------------------|------------------------------|-------------------------------------|
| 4-7.2 = <b>H</b>  | 5 = <b>A</b>                 | <b>3</b> = Right angle lead forming |
| 8-16.5 = <b>A</b> | 12 = <b>B</b>                |                                     |
| 16-32 = <b>C</b>  | 15 = <b>C</b>                |                                     |
| 28-60 = <b>E</b>  | $\pm 12$ = <b>B</b> <b>K</b> |                                     |
|                   | $\pm 15$ = <b>C</b> <b>L</b> |                                     |
| Part No. ↓        | ↓                            | ↓                                   |
| R                 | 0 0 3                        |                                     |

| Pin | Single     | Dual   |
|-----|------------|--------|
| 1   | Vi(+)      | Vi(+)  |
| 2   | Vi(+)      | Vi(+)  |
| 3   | Vi(-)      | Vi(-)  |
| 4   | Vi(-)      | Vi(-)  |
| 5   | Vo(+)      | Vo1(+) |
| 6   | Vo(-)      | Common |
| 7   | No Connect | Vc2(-) |

## TYPICAL INPUT CHARACTERISTICS

|                          |          |
|--------------------------|----------|
| Reflected Ripple Current | 20 mAp-p |
| Ripple Rejection         | 50 db    |

## TYPICAL OUTPUT CHARACTERISTICS

|                          |           |
|--------------------------|-----------|
| Set Point Accuracy       | ±2.0%     |
| Load Regulation          | ±0.05%    |
| Line Regulation          | ±0.05%    |
| Output Temperature Drift | ±0.01%/°C |
| Output Ripple            |           |
| 5 V Output               | 50 mVp-p  |
| ±12 V Output             | 70 mVp-p  |
| ±15 V Output             | 80 mVp-p  |
| Current Limit Inception  | 200%      |
| Short Circuit Current    |           |
| 5 V Output at            | 130%      |
| Others at                | 300%      |

## Efficiency

|               |            |     |
|---------------|------------|-----|
| Single Output | RA, RC, RE | 80% |
|               | RH         | 75% |
| Dual Output   | RA, RC, RE | 75% |
|               | RH         | 70% |

## OPTIONS

Right angle lead forming

## PRODUCT ATTRIBUTES

### Isolation

|             |         |
|-------------|---------|
| Voltage     | 500 Vdc |
| Capacitance | 50 pF   |
| Resistance  | 100 MΩ  |

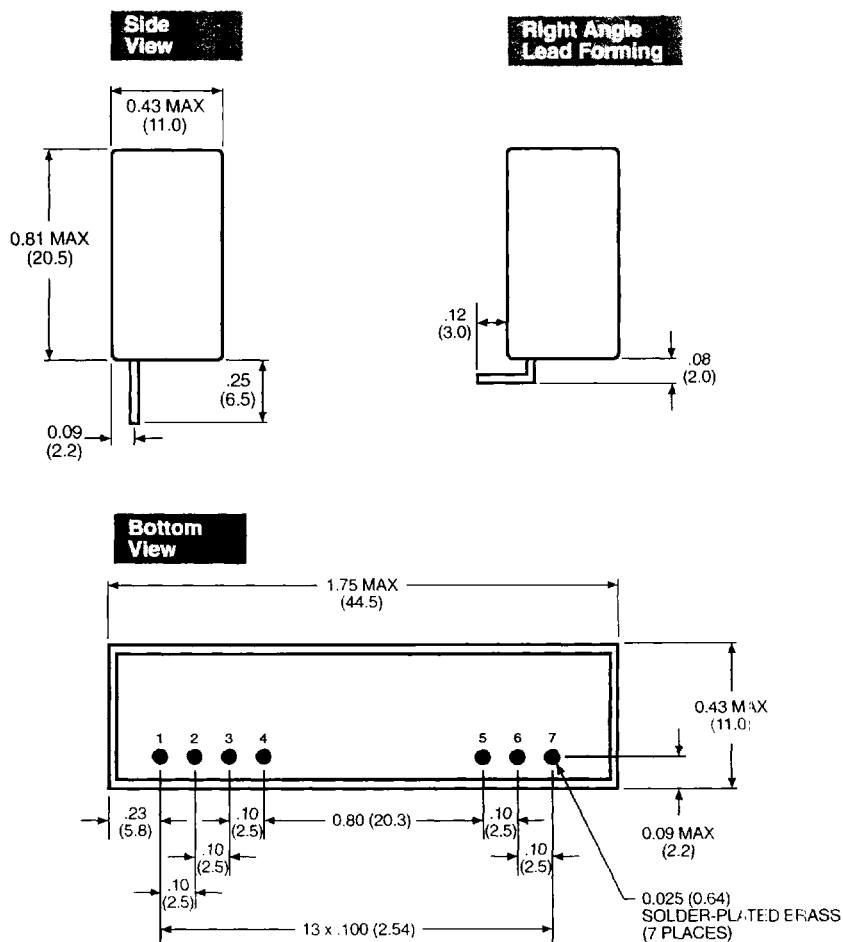
Operating Ambient Temp. -10° to 50°C

Storage Temperature -30° to 80°C

Maximum Weight 0.6 oz (16 grams)

Case Dimensions 1.75" L, 0.43" W, 0.81" H

Calculated MTBF (50°C Ambient) 2 million hrs.



Pins are solder-plated brass, 0.025 (0.64) DIA.  
Dimensions are in inches and (millimeters).

For more specific technical information, call 1-800-526-7819.