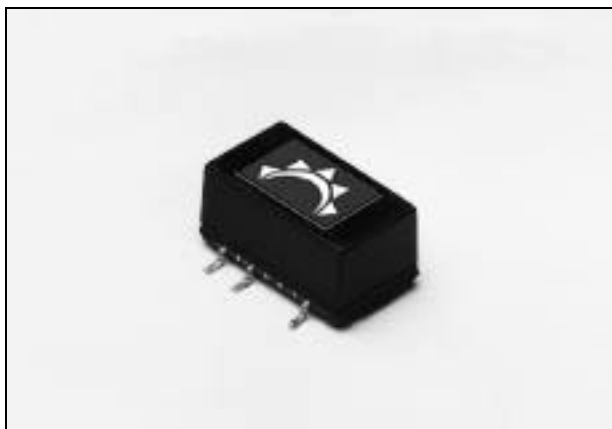


## M BR01 SERIES

### SINGLE OUTPUTS



#### FEATURES:

- Up To 1 Watt Output Power
- 1000Vdc Isolation
- Surface Mount
- 14 Pin SMD Package
- Unregulated Output Types
- Miniature Size 0.152" Sq.

#### GENERAL SPECIFICATIONS:

|                       |                       |
|-----------------------|-----------------------|
| Output Ripple & Noise | 100mV P-P(20Khz B.W.) |
| Isolation Resistance  | 100M @ 500Vdc         |
| Switching Frequency   | 20Khz Min.            |
| Operating Temperature | 0-70C                 |
| Efficiency            | 70% Typ.              |
| Weight                | 1.0G                  |

#### ELECTRICAL SPECIFICATIONS:

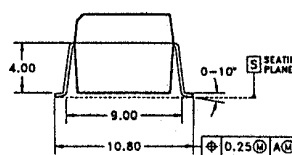
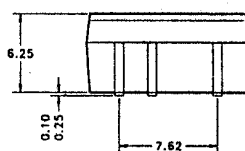
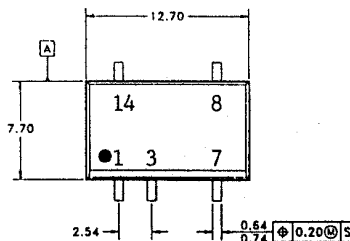
|                          |         |
|--------------------------|---------|
| Input Voltage Range      | +/-5%   |
| Output Voltage Tolerance | +/-5%   |
| Line Regulation          | +/-1.2% |
| Load Regulation          | +/-10%  |

All Specifications @ Full Load & 25C Unless Otherwise Specified

#### MODEL SELECTION GUIDE:

| INPUT VOLTAGE (VDC) | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT MA | EFFICIENCY (%TYP.) | MODEL NUMBER  |
|---------------------|----------------------|-------------------|--------------------|---------------|
| 5                   | 5.00                 | 200               | 70                 | MBR01-5S05SM  |
| 5                   | 9.00                 | 110               | 75                 | MBR01-5S09SM  |
| 5                   | 12.00                | 85                | 75                 | MBR01-5S12SM  |
| 5                   | 15.00                | 66                | 75                 | MBR01-5S15SM  |
| 12                  | 5.00                 | 200               | 70                 | MBR01-12S05SM |
| 12                  | 9.00                 | 110               | 75                 | MBR01-12S09SM |
| 12                  | 12.00                | 85                | 75                 | MBR01-12S12SM |
| 12                  | 15.00                | 66                | 75                 | MBR01-12S15SM |

| PIN NO. | FUNCTION |
|---------|----------|
| 1       | -Vin     |
| 3       | +Vin     |
| 7       | -Vo      |
| 8       | +Vo      |
| 14      | N/C      |



MODIFICATIONS AND CUSTOMS AVAILABLE