

## B R O A D W A V E T E C H N O L O G I E S I N C .

MODEL 651 - 018 - 031

## SOLID STATE PROGRAMMABLE ATTENUATOR

|                               |  |
|-------------------------------|--|
| <b>Frequency Range:</b>       | <b>20 - 500 MHz</b>  |
| <b>Impedance:</b>             | <b>50 Ohms nominal</b>   |
| <b>Attenuation Range:</b>     | <b>31 dB in 1 dB steps</b>   |
| <b>Attenuation Steps:</b>     | <b>1, 2, 4, 8 and 16 dB</b>  |
| <b>Attenuation Accuracy:</b>  | <b>± 0.5 dB or 2% of programmed</b>                                      |
| <b>Insertion Loss:</b>        | <b>2.5 dB nominal<br/>3.0 dB maximum</b>                                 |
| <b>VSWR:</b>                  | <b>1.5:1 maximum<br/>1.3:1 typical</b>                                   |
| <b>Input Power:</b>           | <b>+20 dBm maximum</b>   |
| <b>Switching Time:</b>        | <b>5 microseconds maximum</b>  |
| <b>Supply Voltage:</b>        | <b>+5 Vdc @ 160 mA nominal</b>   |
| <b>Control :</b>              | <b>TTL low for “ zero ” setting<br/>TTL high for attenuation setting</b> |
| <b>Control Connector:</b>     | <b>10 - pin latch</b>  |
| <b>RF Connectors:</b>         | <b>SMA Female</b>  |
| <b>Operating Temperature:</b> | <b>- 40°C to +70°C</b>   |
| <b>Outline Drawing:</b>       | <b>MED - 0352</b>  |

| ECF # | Date     | Rev. |
|-------|----------|------|
| Issue | 11/30/04 | 0    |
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Approved By: \_\_\_\_\_