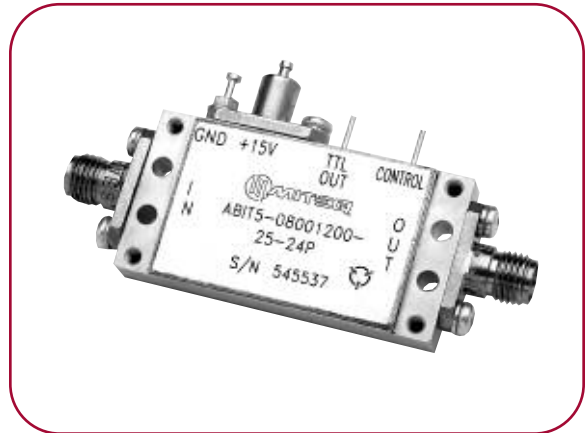


BUILT-IN TEST DETECTOR AMPLIFIERS

ABIT SERIES

FEATURES

- External threshold control via voltage divider or external power supply
- Independent TTL output
- Up to 1/2 watt CW power output
- Hermetically sealed Kovar chassis capable of meeting rigorous military environments
- Available with various other electrical parameters, alternate connectors, and detect output only (no RF)



SPECIFICATIONS

Model Number	ABIT5-08001200-25-24P	ABIT5-04000800-25-25P
Frequency range	8–12 GHz	4–8 GHz
Gain	30 dB minimum	30 dB minimum
Noise figure	2.5 dB maximum	2.5 dB maximum
1 dB gain compression	24 dBm minimum	25 dBm minimum
BIT detector threshold	< 20 dBm*	< 20 dBm*
BIT detection format	TTL single ended	TTL single ended
Output power	Logic 1 = +3.7 ±1.3 VDC Logic 1 = +0.4 ±0.4 VDC	Logic 1 = +3.7 ±1.3 VDC Logic 1 = +0.4 ±0.4 VDC

* Other levels available via adjustment to the threshold control.

NOTE: See page 68 for outline.

BLOCK DIAGRAM

