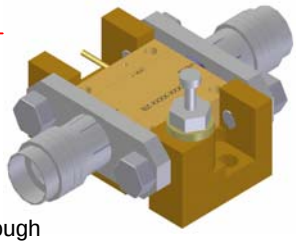
B&Z TECHNOLOGIES

Innovating to Excel

BZP512MC1

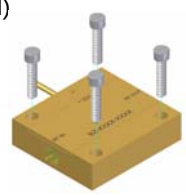
WIDEBAND MEDIUM POWER AMPLIFIER, 0.5 - 12 GHz

Features



- **Power Out 1 dB comp. ≥ 15 dBm**
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable SMA connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- 3 Year Warranty

Options



- **Optimized Performance over Selected Bandwidth**
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Gain and Phase matching
- Extended bandwidth to 100 MHz.
- Internal D.C. Voltage regulation

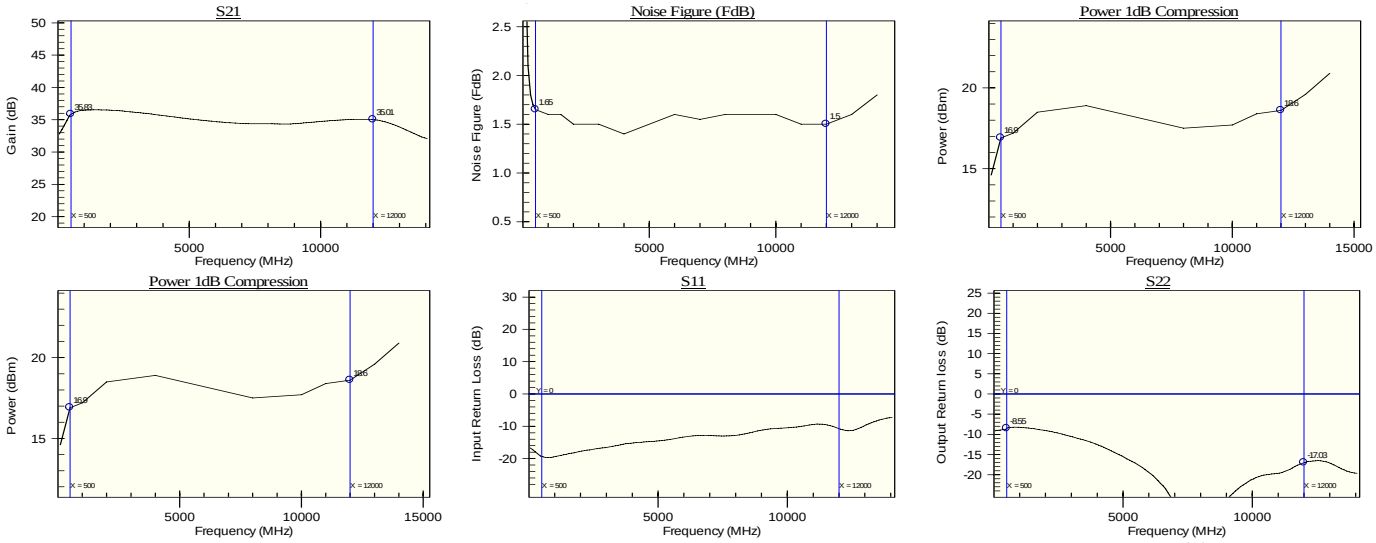
Specifications (23 °C)

Parameter	Min	Typ	Max	
Frequency Range	0.5	–	12	GHz
Noise Figure			2.0	dB
Gain	32	34	–	dB
Gain Flatness	–		±1.5	dB
*P1dB Output Power	15	17	–	dBm
Input VSWR	–		2.0:1	
Output VSWR	–		2.3:1	
Operating Temperature	-55	–	+85	°C

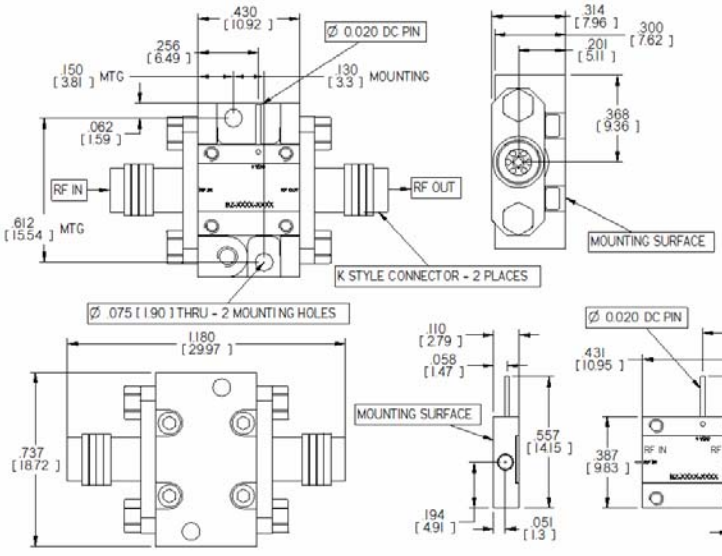
**Voltage	+14.5	–	+15.5	V
Current	–	200	250	mA

*IMP: UNIT REQUIRES HEAT SINK.
** Input +15V with Internal D.C. voltage Regulation available

Performance Graphs



Outline Drawing



Mounting Drawing

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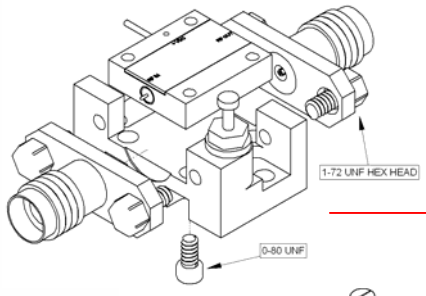
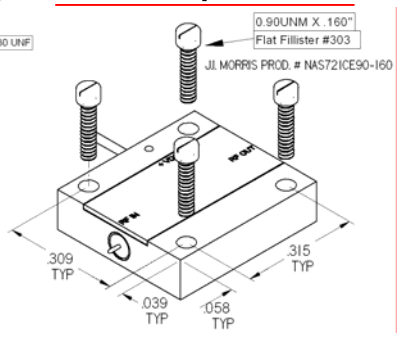


Drop In Module



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