

## APTMP3-000050020-3018-D9F

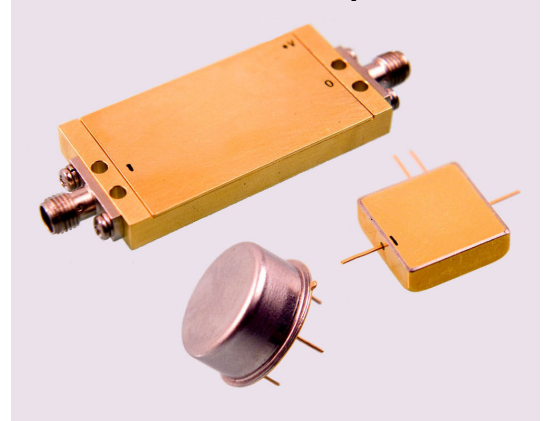
### Features: (typical values)

- High Reverse Isolation ..... 40.0 dB.
- Noise Figure ..... 3.0 dB.
- High Gain ..... 30 dB.

### Maximum Ratings

Storage Temperature ..... -62°C to +125°C  
 DC Voltage ..... +17 volts  
 RF Input Power ..... +7.0 dBm.  
 Case Temperature ..... +100°C

### 5-200 MHz Cascadable Amplifier



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		5	200	MHz.
Gain	30	28.0		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+18.0	+17.0		dBm.
Noise Figure	3.0		3.5	dB.
Reverse Isolation	40			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two-tone)*	33/39			dBm.
HIP2 (2 <sup>nd</sup> harm.)	40			dBm.
VSWR In/Out	1.5:1		2.0:1	
Supply Required	+15/80		+15/95	v/mA.

Min. and max. values are from -55°C to +85°C

\*IP<sub>3</sub> and IP<sub>2</sub> are in band output intercept points

