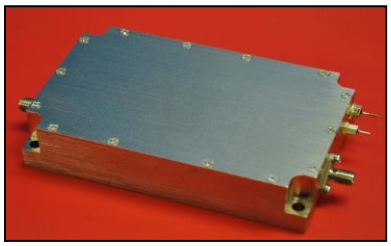
ASC2406C

RF Amplifier



*** Operating Frequency : 200-1800 MHz.**
*** Gain : 38 dB.**
*** Psat 10WATT**
*** High Gain Available**
*** No external components required**

ELECTRICAL SPECIFICATION @ VDD= +28 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	200		1800	MHz.
Gain	G	35	38		dB.
Gain Flatness	Δ G		±2.0	±2.5	dB.
Noise Figure	N.F.		5	7	dB.
Output Power	Psat	9	10		W.
IP3 @ 20dBm output per tone 5MHZ apart	IP3	35			dBm.
Harmonics	HIP2	-20			dBc.
VSWR In	VSWR1		2.0:1	2.5:1	Ratio
Operating Voltage	Vdc		28		Volt
Operating Current Idq	Idq		1000		mA.

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
RF connector	SMA-F		
DC Pins	Feedthru		
Cooling	None		
Monitor Connector	None		

PROTECTION	Max	Units
RF Input Power	7	dBm.
Reverse Polarity Protection	N/A	
Load VSWR	Infinite up to 1W	
Stability	100% Tested	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0°C		50°C	°C
Storage Temperature	Tstg	- 55°C		120°C	°C

3009 Old State Road, Telford, PA 18969
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Tel: 215-799-2561
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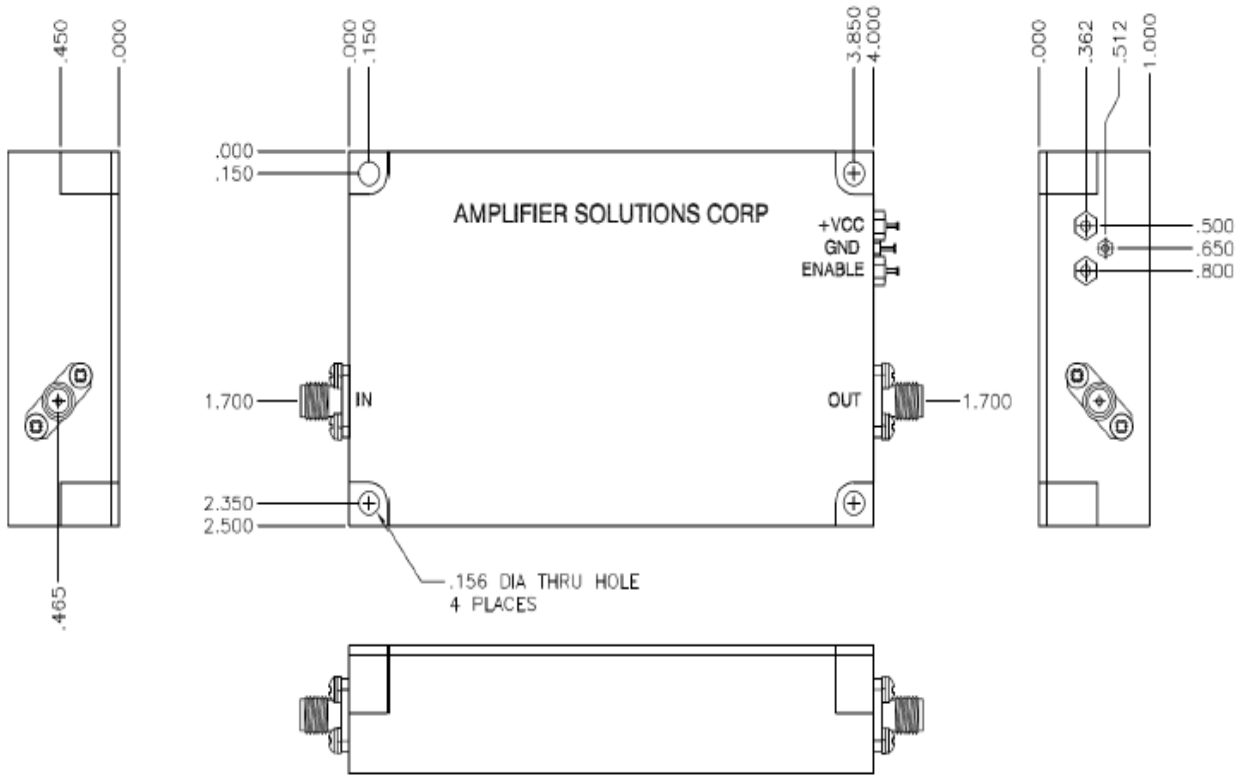

Note: TTL On/OFF Procedure

0V……On
+5V……Off

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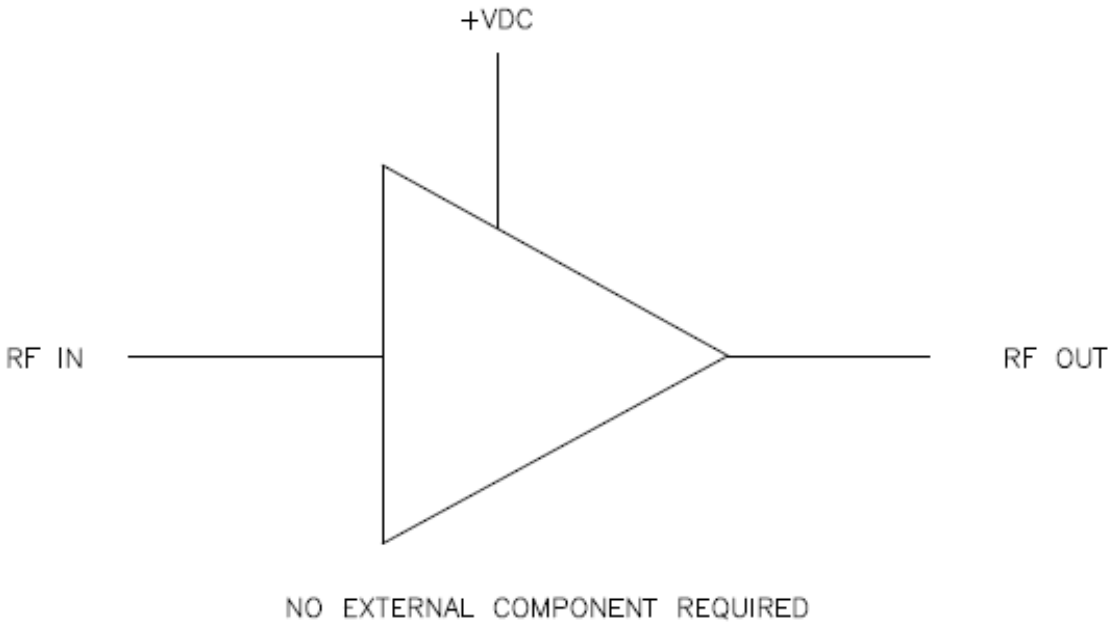
FUNCTIONAL BLOCK DIAGRAM



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