

## RF Amplifier

(With Heatsink and Cable Assembly)

- \* Operating Frequency : 10-300 MHz
- \* Gain : 16 dB
- \* P1dB : 31 dBm



### ELECTRICAL SPECIFICATION @ VDD= +15 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	10		300	MHz
Gain	G	15	16	17	dB
Gain Flatness	Δ G		±0.50	±0.75	dB
Noise Figure	N.F.		5	7	dB
Output Power	P1dB	30	31		dBm
IP3 @ 15dBm output per tone 5MHZ apart	IP3	40	45		dBm
VSWR In	VSWR1		1.8:1	2.0:1	Ratio
VSWR Out	VSWR2		1.8:1	2.0:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		270	350	ma

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2.0 x 1.0 x 0.5		in
Connectors	SMA Female		
Cooling	Heatsink		

### PROTECTION

		Max	Units
RF Input Power		24	dBm
Reverse Polarity Protection	Optional		
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

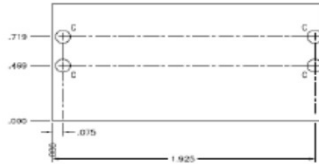
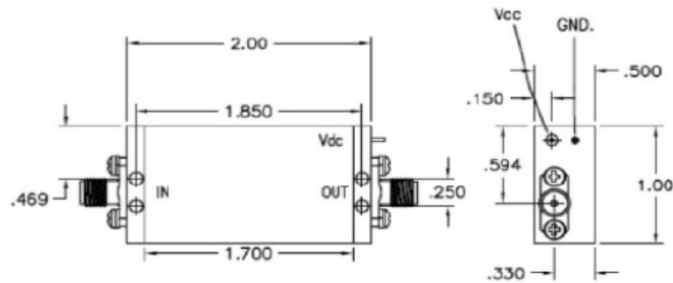
### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	-40°C		85°C	°C
Storage Temperature	Tstg	- 55°C		120°C	°C

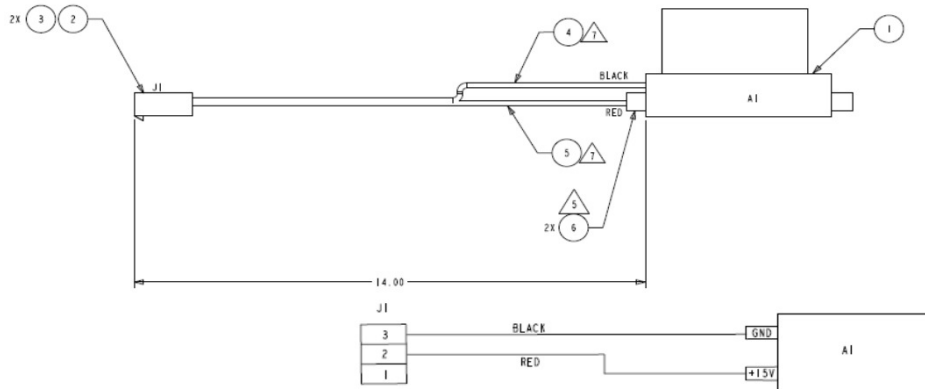
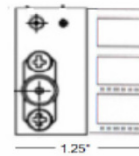
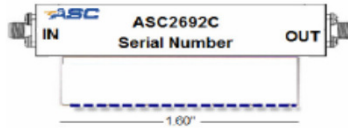
3009 Old State Road, Telford, PA 18969

Web: [www.amplifiersolutions.com](http://www.amplifiersolutions.com)  
 Email: [sales@amplifiersolutions.com](mailto:sales@amplifiersolutions.com)

Tel: 215-799-2561  
 Fax: 215-799-2563



C Holes: 0.110" Diameter Thru, Qty 4



3009 Old State Road, Telford, PA 18969

Web: [www.amplifiersolutions.com](http://www.amplifiersolutions.com)  
 Email: [sales@amplifiersolutions.com](mailto:sales@amplifiersolutions.com)

Tel: 215-799-2561  
 Fax: 215-799-2563