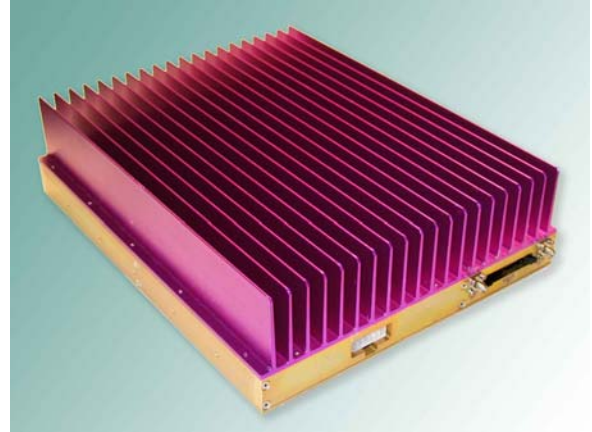


The **SM02932-58** is an LDMOS amplifier designed for applications such as defense and satellite communications. The unit operates from 290 to 320 MHz. Average 2 tone performance is +50 dBm per tone, with harmonics and IM products @ <-30 dBc. The amplifier operates from a single supply voltage of +28 VDC and 8.6 Amps of quiescent current.

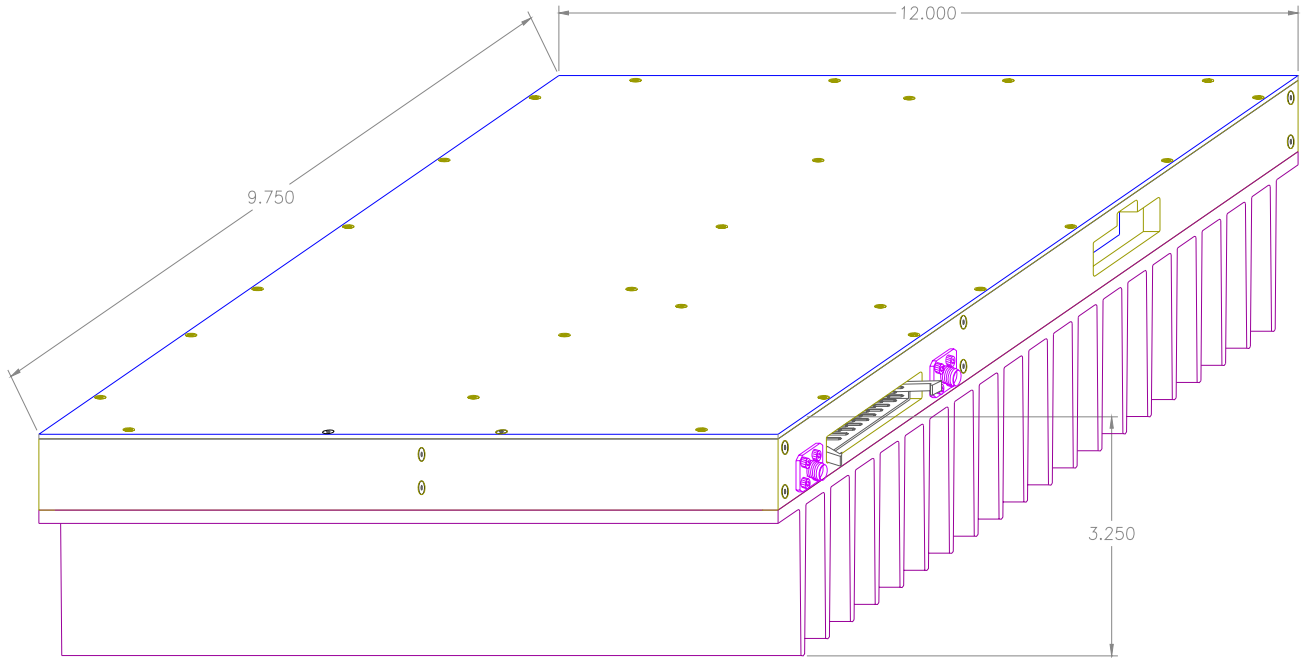
Features:

- Single DC Supply: +18 to +36V regulated input
- Over/Reverse Voltage Protection
- Reverse VSWR protection
- Thermal Protection with Auto Reset
- Digital Attenuator Control: 0 to 15dB attenuation per input
- Integral Heatsink

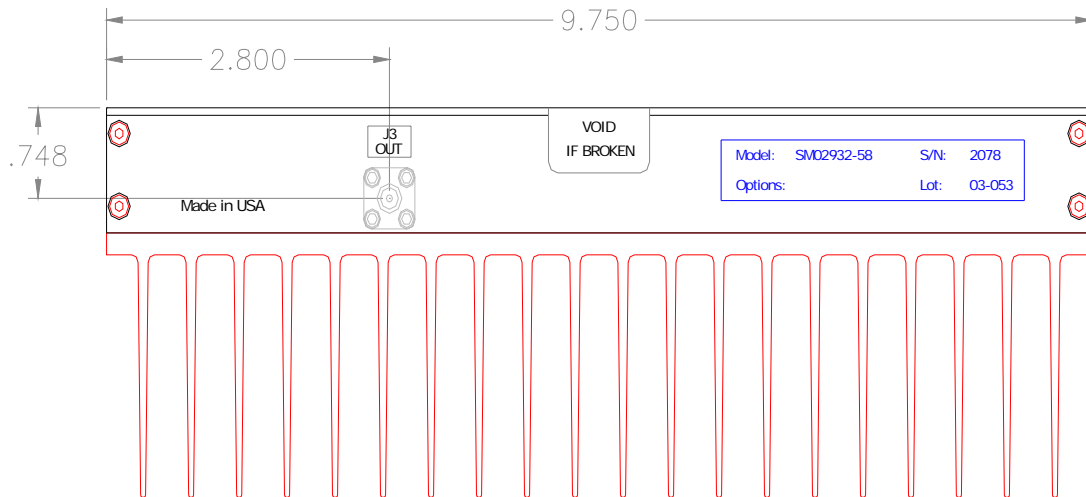
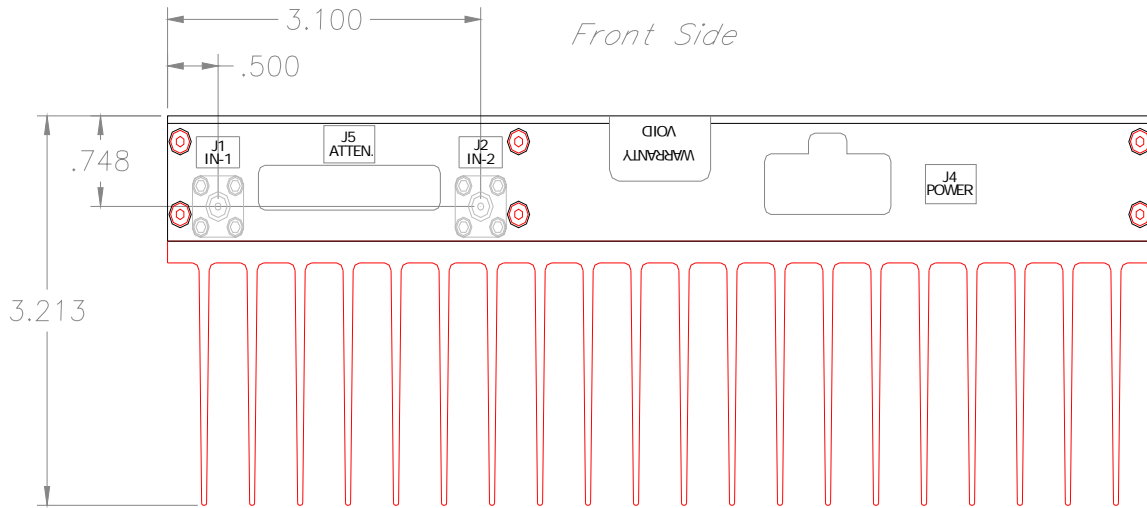


Parameter	Specification
Frequency Range	290 - 320 MHz
Pout	200W (avg.)
Linear Gain	53 dB ± 1 dB
Gain Flatness over Full Band	± 0.5 dB
Gain Change over Temperature	± 1.0 dB
Input/Output Return Loss	-20 / -18 dB
DC Supply	+ 28 Volts @ 8.6 Amps (Quiescent)
RF Connectors	Female SMA
Operating Temperature	0° to +60°C
Operating Humidity	95% Non-condensing
Operating Altitude	Up to 20,000 feet above Sea Level
Dimensions	12 x 9.75 x 3.3 inches (with heatsink)

DIMENSIONS IN INCHES



CONNECTOR DETAIL ON NEXT PAGE



Label	Description	Values
J1	Input Connector (Female SMA)	+10 dBm, max
J2	Input Connector (Female SMA)	+10 dBm, max
J3	Output Connector (Female SMA)	+ 53 dBm, typical
J4	DC Power Input Connector	+ 28 Volts @ 8.6 Amps (Quiescent)
J5	Attenuator Control	0 – 15 dB attenuation per input