

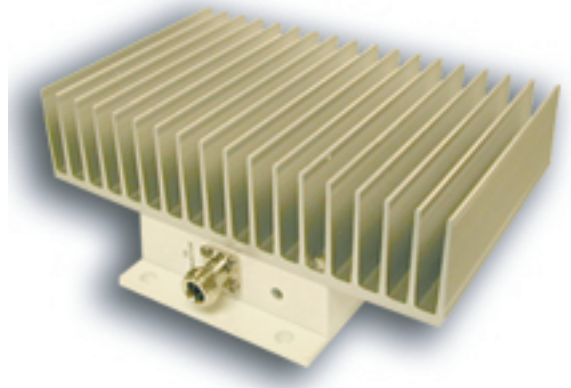


SmartAmp™ Bi-Directional 900MHz: 25Watt

900 MHz Series

Full output power of 25 W is achieved with only 32mW input to the amplifier. Above 32 mW input, the SmartAmp™ attenuates the input signal power and maintains the output power typically at 25W.

The built-in dynamic power sensor in SmartAmp™ adjusts the Radio Frequency (RF) power output level by reading the input signal power. This Automatic Gain Control (AGC) Technology, Teletronics' patented technology effectively making the RF amplifiers "Plug & Play" delivers the maximum output power at various input levels while keeping the distortion at a minimum.



Item# 12-106

Technical Information

Features:	25 Watt					
Operating Range:	902-928 MHz					
Operating Mode:	Bi-directional, TDD					
Transmit Gain:	28 dB (can be customized to 33dB)					
Frequency Response:	± 0.75 dB over operating range					
Output Power:	25 Watt (+44 dBm) nominal					
TX Input Power:	500mW					
Receiver Gain:	12 dB typical ±1 dB					
Noise Figure:	3.5 dB typical					
LED Indicators:	<table border="1"> <thead> <tr> <th>RED</th> <th>GREEN/ORANGE</th> </tr> </thead> <tbody> <tr> <td>Solid On: Power and Receiving mode OFF: No Power</td> <td>Blinking: Transmitting</td> </tr> </tbody> </table>		RED	GREEN/ORANGE	Solid On: Power and Receiving mode OFF: No Power	Blinking: Transmitting
RED	GREEN/ORANGE					
Solid On: Power and Receiving mode OFF: No Power	Blinking: Transmitting					
Connectors:	N-type, Female, 50 Ohm					
Lightning Protection:	Quarter Wave Technology					
DC Surge Protection:	Available					
Power Consumption:	<5A @ 12-15 VDC (100% duty cycle)					
Operating Temperature:	Amplifier: -30 °C to + 70 °C 15V DC injector: -30 °C to + 70 °C					