TELETRONICS INTERNATIONAL INC.

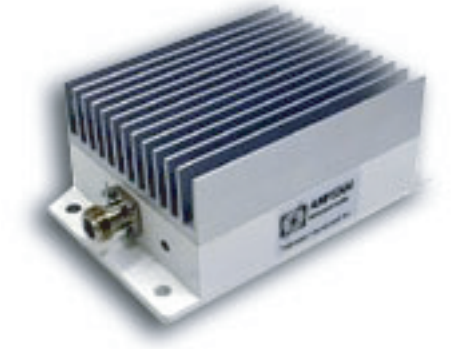
Focusing On Your Needs

SmartAmp™ Bi-Directional 900MHz: 10Watt

900 MHz Series

Full output power of 10 W is achieved with only 16 mW input to the amplifier. Above 16 mW input, the SmartAmp™ attenuates the input signal power and maintains the output power typically at 10W.

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. Ideal for increasing the range of low power devices and to compensate for cable loss in certain installations.



Item# 12-103

Technical Information

Features:	10 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:	10 Watt (+40 dBm) nominal
TX Input Power:	500mW
Receiver Gain:	12 dB typical 1 dB
Noise Figure:	3.5 dB typical
LED Indicators:	**RED**: Solid On: Power and Receiving mode; OFF: No Power — **GREEN/ORANGE**: Blinking: Transmitting
Connectors:	N-type, Female, 50 Ohm
Lightning Protection:	Quarter Wave Technology
DC Surge Protection:	Available
Power Consumption:	<2A @ 12-15 VDC (100% duty cycle)
Operating Temperature:	**Amplifier:** -30 C to + 70 C **15V DC injector:** -30 C to + 70 C

FCC NOTICE

The use of all radio equipment is subject to radio regulations in each country. It is the responsibility of the purchaser/installer/operator to insure that only approved equipment/systems are deployed. For the ISM band (900MHz, 2.4GHz, 5.7GHz) equipment manufactured, sold/or used in the USA, FCC Title 47, Part 15 governs the sale, lease, use and manufacture of equipment (wireless LAN cards, wireless Access points, amplifiers, etc.) and prohibits the same unless such equipment is used in the FCC-certified system configuration with which such equipment is authorized.