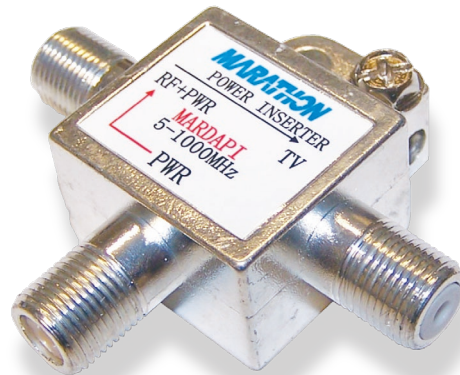


## POWER INSERTER



**THE MARATHON** MARDAPI Power Inserter is designed to insert power on the coaxial cable to remotely power drop amplifiers where no available power supply is located next to the amplifier.

### FEATURES & BENEFITS

- Zinc Die-cast housing for superior strength and stability.
- Convenient standard F port power and RF connections with enhanced 180° contacts for improved contact surface and retention.
- Integrated ground block for bonding #10 - #6AWG ground wires.
- Low insertion loss.
- Standard 12-18VDC power handling for most industry drop amplifiers
- SMT design for high reliability and consistent performance.
- RFI shielding greater than 120dB.
- Clearly marked durable label for installation

## POWER INSERTER

Parameter	Frequency (MHz)	MARDAPI	
		Typ	QA
Insertion Loss Maximum (dB)	5 - 15	0.4	0.6
	15 - 42	0.4	0.6
	50 - 550	0.6	0.8
	550 - 870	0.8	1.0
	870 - 1000	0.8	1.0
Return Loss In/out Minimum (dB)	5 - 15	18	16
	15 - 42	25	19
	50 - 550	22	19
	550 - 870	20	18
	870 - 1000	20	18
Isolation Minimum (dB)	5 - 15	35	30
	15 - 42	45	40
	50 - 550	55	50
	550 - 870	35	30
	870 - 1000	30	25
RFI (dB)	5 - 1000	-130	-120
Power Passing	Designed for 12-18VDC @200ma continuous. (Max 30VDC @ 500ma)		
Power in / RF out	50 MHz	- 55dB	
Power in / RF in	1000 MHz	- 16dB	
Impedance	5 - 1000	75 Ohm	
Waterproof test ( Min)	15 PSI		
Operating Temperature	-40 degrees C to +60 degrees C		
Corrosion Resistance	Meets SCTE/ANSI Specification		