

## CPI Electron Device Business - Receiver Protector



With a history of producing high quality products, we can help your with receiver protector.

Contact us at [ElectronDevices@cpi-edb.com](mailto:ElectronDevices@cpi-edb.com) or at call us at +1 978-922-6000.

### FEATURES:

- Compact size
- Integral noise source

### BENEFITS:

- World's largest manufacturer of receiver protectors
- High level of vertical integration
- Extensive high power test capability
- In-house environmental test facility
- Computer modeling and automatic test capabilities

### APPLICATIONS:

- Missile seekers
- Airborne radars
- Unmanned Aerial Vehicles (UAV)
- Ground based systems
- Naval radars
- Air traffic control radars
- Weather radars

# CPI EDB X-Band 2.5 W Receiver Protector: MA9905

## Electrical Specifications

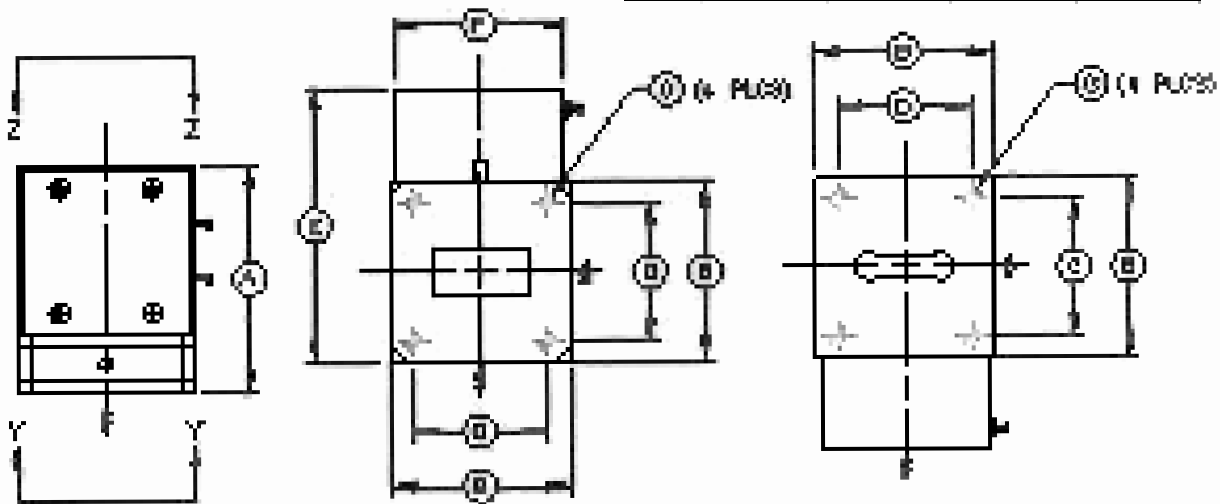
Operating frequency	8.8 – 9.0 GHz
Maximum peak power	2.5 kW
Maximum duty cycle	0.01
Maximum pulse width	5.0 $\mu$ Sec
Maximum insertion loss	1.0 dB
Maximum VSWR	1.4:1
Excess noise	16 +/- 1 dB
Maximum spike leakage power	1.0 W
Maximum flat leakage power	20 mW
Maximum recovery time (3 dB)	1.0 $\mu$ Sec
Maximum noise control	-14.5 +/- 0.5 VDC @ 100 mA

## Mechanical and Environmental Specifications

RF input	WR90
RF output	WR90
Noise control	Solder terminal with RFI filter
Dimensions	See outline drawing
Operating temperature	-30° to +75° C
Storage temperature	-30° to +75° C
Maximum humidity	95%
Shock	5g/ 20 mSec
Vibration	2 – 8 Hz, 10 mm displacement 8 – 400 Hz, 1.3 g

Dimensions in inches (mm)

REF LETTER	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	2.045	2.065	51.84	52.45
E	- - -	2.490	- - -	63.25
F	- - -	1.835	- - -	41.53
C	1.270	1.284	32.41	32.61
D	1.215	1.224	30.81	31.09
G	M4X0.7 THREADED HOLE X .433 DP MIN			
B	1.615	1.639	41.02	41.53



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For more detailed information, please refer to the corresponding CPI EDB technical description if one has been published, or contact CPI EDB. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI EDB before using this information for system design.

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