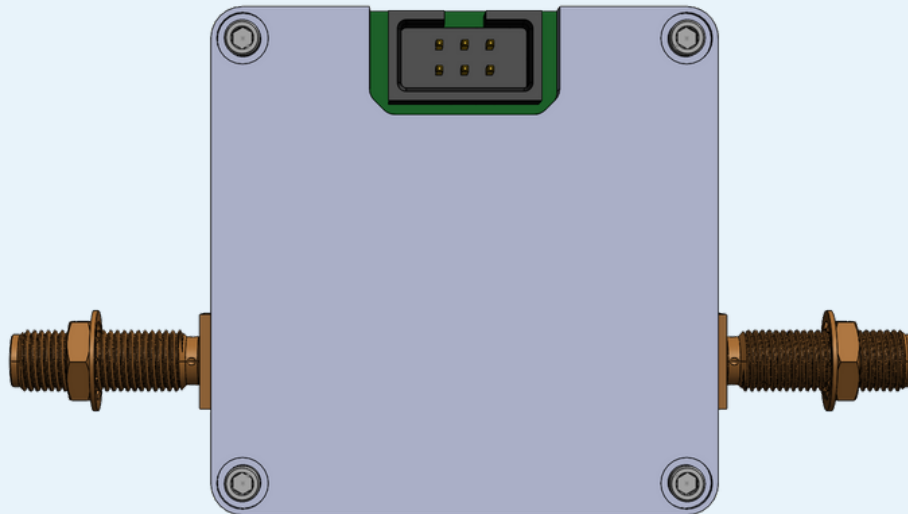


INLINE VSWR DETECTOR

RADIO METROLOGY CATALOG



ELECTRICAL SPECIFICATION

Specification	Min	Typ	Max	Comments
Supply Voltage (V)	3	3.3	5	
Current - Idle (mA)	0	1	2	
Current - Detection (mA)	30	40	50	
Detection Output (V)	0		Vsupply	Voltage vs. VSWR is frequency dependent, refer to documentation for the selected frequency.
Frequency (MHz)	25		1000	Device can be tuned to many frequencies in range. Provides VSWR measurement at the one frequency selected.

LOW POWER

Normally draws less than 1mA. When VSWR detection is enabled, the device draws up to 40mA.

RUGGED DEVICE

Connectorized version comes in a rugged aluminum enclosure. PCB mount version is also available.

LOW COST

This cost competitive product is suitable for any application where radio electronics play a critical role, big or small.

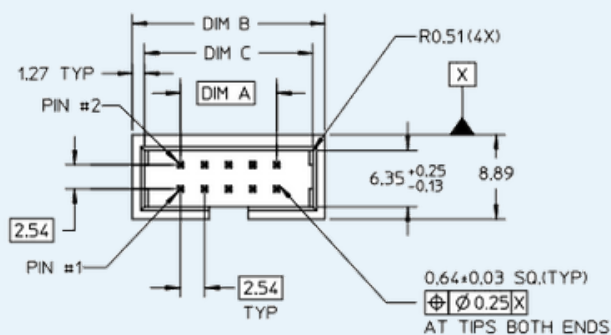
DETAILED DESCRIPTION

Disabled by default, the inline VSWR detector normally passes RF signals between ports with low loss. When the user asserts the ENABLE line (Active HIGH), the circuitry on board switches the antenna to a VSWR detection circuit. This low power, small form factor VSWR detection circuit is made possible by a unique step recovery diode oscillator approach, and a sub-miniature hybrid coupler. The VSWR detector output appears as an analog output on the rectangular header.

ABSOLUTE MAX RATINGS

Specification	Maximum Rating	Comments
Supply Voltage (V)	5.5	
Reverse Voltage (V)	-0.5	
Output Drive (mA)	20	

PINOUT



Pin	Name	Pin	Name
1	Vsupply	4	VSWR
2	Vsupply	5	GND
3	Enable	6	GND



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