

## SM3400 Combiner/Divider

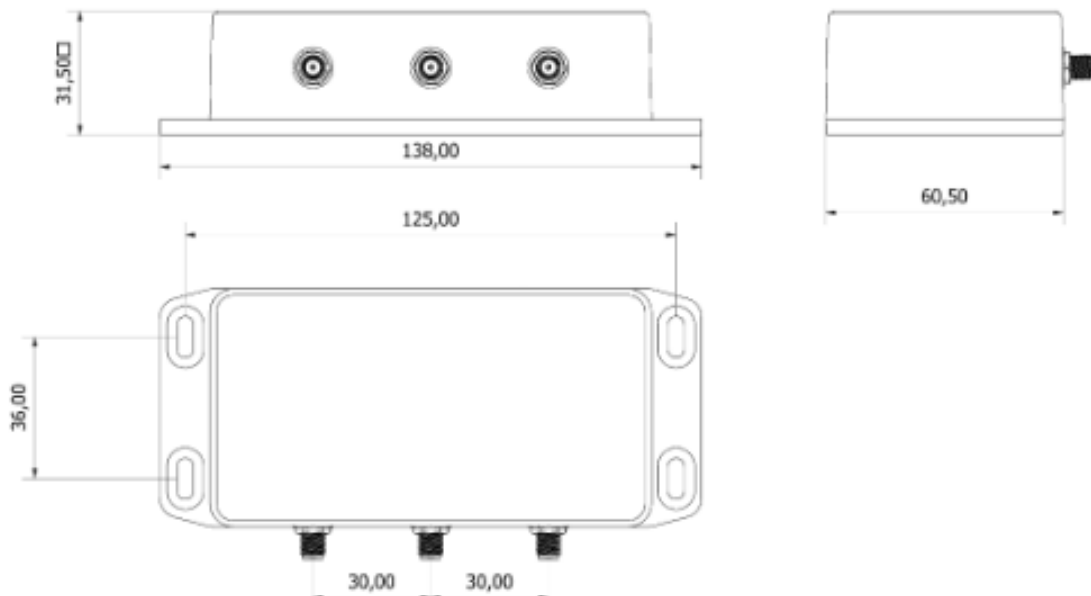


- 2 x Tetra transceivers
- Input power up to 50w
- Custom frequencies available within 70MHz to 2.4GHz
- Other port connections available on request
- Combine 2 x antennas to one transmitter transceiver

Picture of SM3400W10S0 - SM3400 10W

The SM3400 'combiner/divider unit' was specifically designed to enable two transmitters to transmit simultaneously, without the use of switching circuitry. This passive unit can operate 380-400MHz with an insertion loss of less than -0.4 dB\* and isolation port to port of less than -30 dB across 20MHz bandwidth this unit offers a great performance against active switch units. The SM3400 can be built to support other frequencies within 70MHz to 2.4GHz. Please contact us for more options.

## Technical Drawing



Above drawing of SM3400W10S0 - SM3400 10W. Subject to change without prior notice.

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MOBILE RADIO



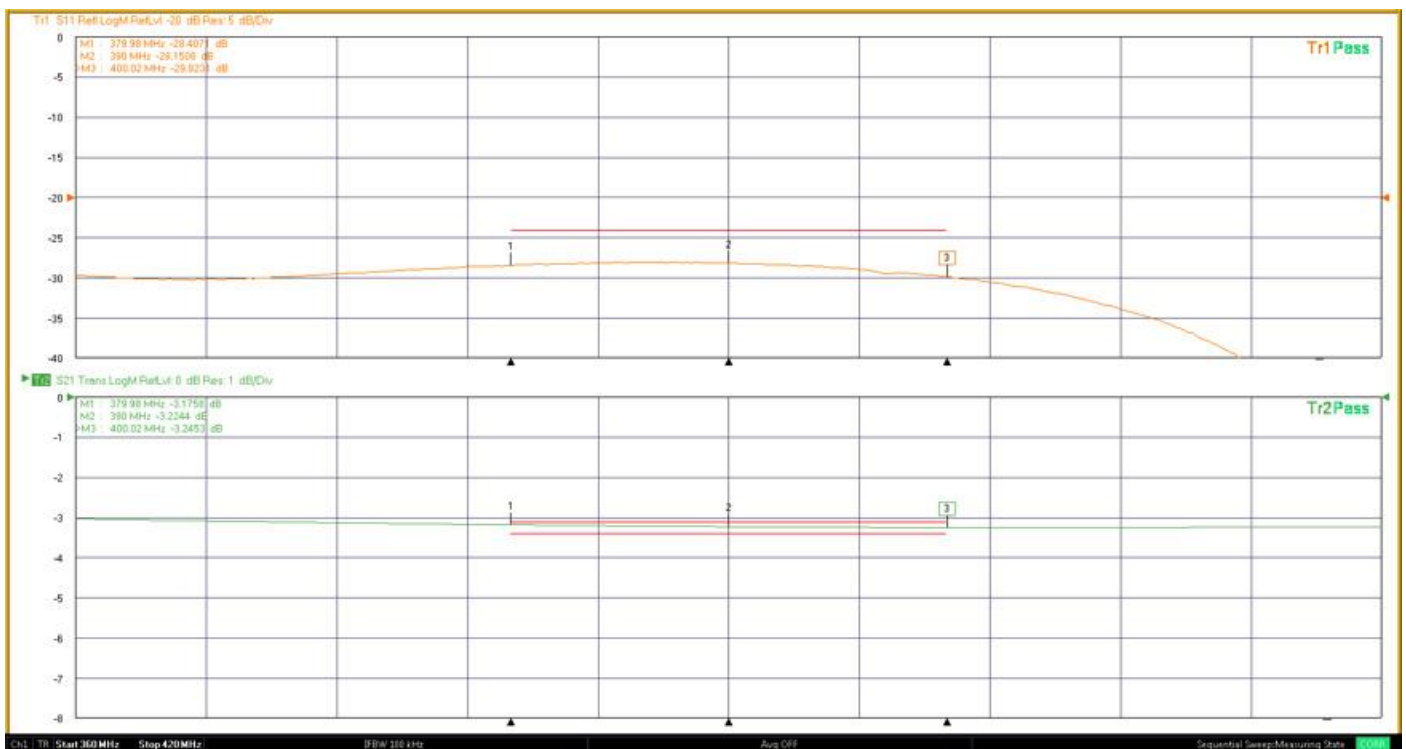
## SM3400 Combiner/Divider Unit

### Technical Specifications

Part No	SM3400W50S0-4		SM3400W25S0-4	SM3400W10S0-4
Frequency Range (MHz)  Band  Impedance  Max Power Input (W)  Insertion loss  VSWR  Port Isolation  Connection  Operating Temp (°C)	380-400 MHz			
	Tetra x 2			
	50Ω			
	Whip 50W Internal Elements	Whip 25W Internal Elements		Whip 10W Internal Elements
	< 0.4dB*			
	<1.2:1			
	>30dB			
	SMA(f)**			
	−20° C to +60°			

Subject to change without prior notice. \*Excluding combining losses. \*\*Custom Connection Configurations available.

### Electrical Data



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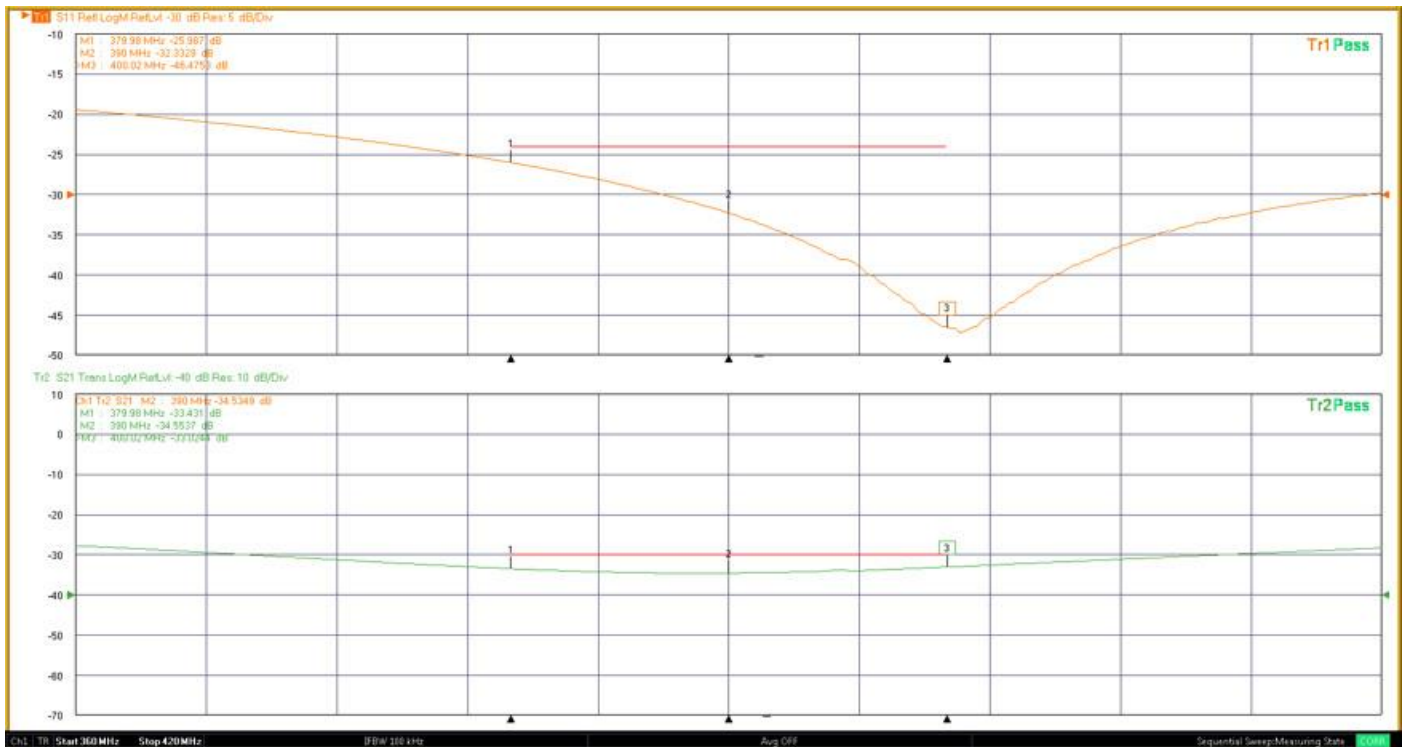


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## SM3400 Combiner/Divider Unit

### Radiation Pattern



\*Excluding combining losses.

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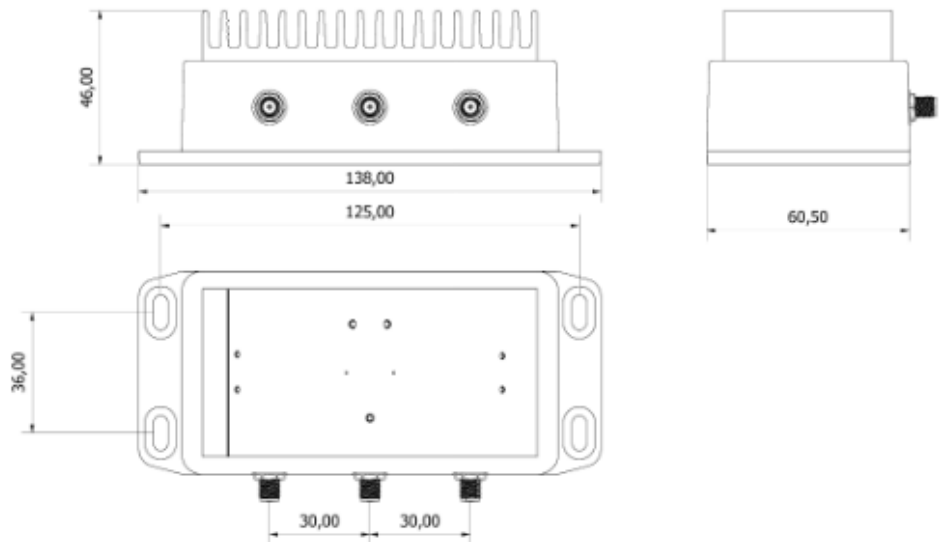


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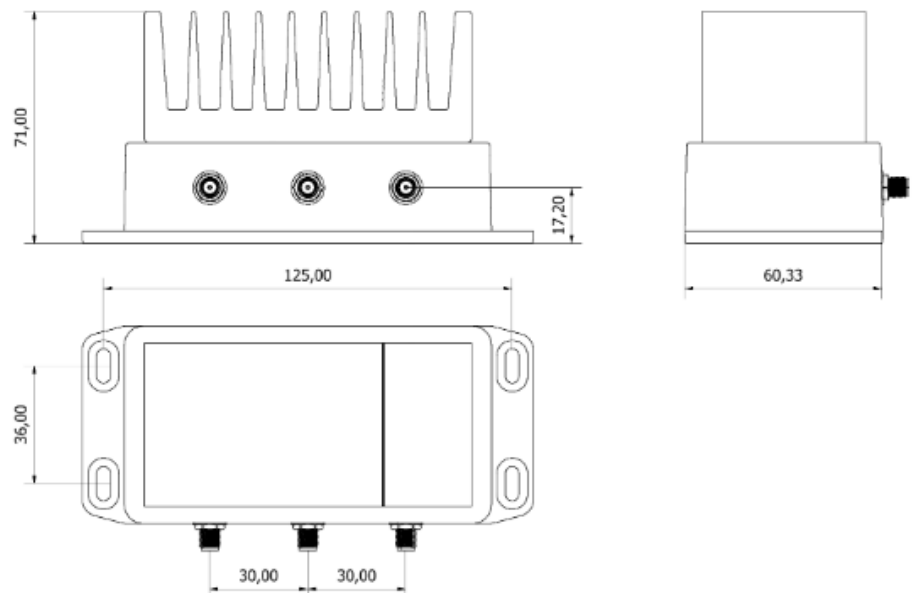


## SM3400 Combiner/Divider Unit

### SM3400W25S0 - SM3400 25W



### SM3400W50S0 - SM3400 50W



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