

Dual-Band Antenna

- 30-512MHz & 225-2000MHz
- 2-ports VHF/UHF and L-band
- Designed for operation on all kinds of vehicles including armored vehicles
- Suitable for operation on shelters and to be mounted on masts or in other permanent installations
- Rugged high quality antenna with durable construction
- NATO flange base with spring
- UHF antenna elements located at the top of the whip for maximum range
- VHF requires a ground plane
- Antenna base with GPS L1 or L1L2 available as option



Part #: TSE-VHF302000DB-2

Features

- High Gain
- 50 Watts Power Handling
- 1-Year Warranty
- Manufactured by Comrod

Available on GSA Schedule **GS-03F-0039T**

Tactical Support Equipment Inc.
4039 Barefoot Road
Fayetteville, NC 28306
www.tserecon.com

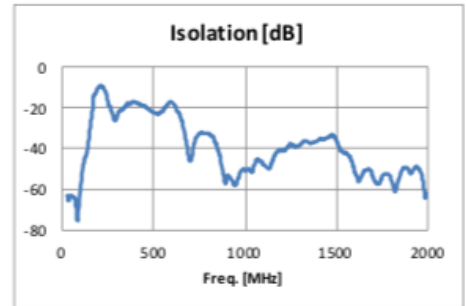
For More Information
Contact sales@tserecon.com

Phone: 800.889.4030
Phone: 910.425.3360
Fax: 910.425.3361



Specifications (TSE-VHF302000DB-2):

Electrical	
Frequency Range:	VHF: 30-512 MHz
	UHF: 225-2000 MHz
VSWR:	VHF: < 3.5:1
	UHF: < 3.5:1
Port-to-Port Isolation:	See graph
Nominal Impedance:	50Ω
Power Rating:	VHF: 50W
	UHF: 50W
Gain:	VHF: -7.5 to 1.5 dB rel. ¼-whip
	UHF: See diagram overleaf
Radiation Pattern:	Omni-directional within ±2dB
Polarization:	Vertical
Connectors:	VHF: TNC female UHF: BNC Female
	Optional GPS: SMA Female

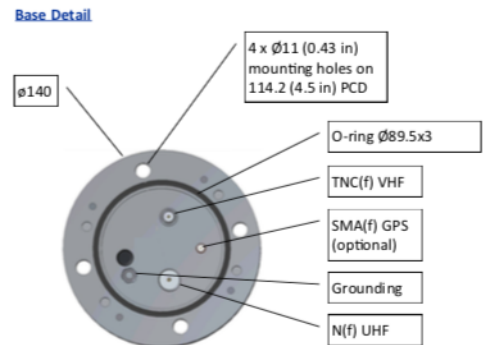


Physical	
Design:	VHF: End feed monopole. UHF: dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length:	1.65m
Weight:	Whip 1.6kg, Base 2.8kg
Wind Rating:	55m/s
Finish:	Polyurethane lacquer
Temperature:	-55°C to +71°C, -67°F to +160°F



Picture of CEF connection on top of the base

Optional GPS Electrical	L1 GPS	L2 GPS
Frequency Band:	1575.42 ± 10 MHz	1227.60 ± 10 MHz
Supply Voltage:	2.7-5.5V	2.7-5.5V
Pre-amplifier:	26.5 dB @ 5V	26.5 dB @ 5V
Noise Figure:	2.5dB	2.5dB
Supply Current:	< 60mA	< 60mA
Polarization:	RHCP	RHCP



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