



A veteran owned, veteran run company

TRI-PTOC-2G-50

Portable Tactical Operation Case



Radio sold separately or G.F.E.

Description

The TRI-PTOC-2-50 is an integrated, self-contained power/voice/data case for 2 AN/PARC-117G. Provides 50 Watts of RF amplification across the frequency range of 30-512 MHz with receive gain in SATCOM mode. MULTIBAND Operation with dedicated SATCOM and LOS Antenna Ports and an egress panel for easy access to antenna, input power connections. Bi-directional filtering minimizes co-site interference from nearby radios and provides extra margin needed to communicate in high RF environments. Automatic frequency selection in the SATCOM and LOS modes and dual antenna connections allow for quick and simple operation in any frequency range. An Automatic Level Control (ALC) adjusts for any input power level. The TRI-PTOC-2-50 can be operated in or out of case.

Trillium Research • 3347 S. West Shore Suite 5 • Tampa, FL 33629
Sales and info 301.793.0477 Sales@TrilliumRsch.com
Fax quote requests to 813.374.9982 Contract information 301.793.0477



Designed, engineered and manufactured in the United States

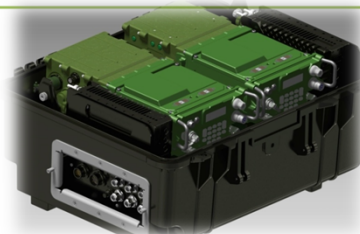
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TRI-PTOC-2-50

Specifications



Modulation	JITC DAMA, IW, HAVE QUICK and SINGARS Compatible AM, FM or Phase Modulation, AM/FM Frequency Hopping	Compatibility	AN-PRC-117G
RF Input Power:	5 Watts (1-10 Watts typical)	Aux Output	26.5 VDC nominal output with a continuous current of 1 amp
RF Output Power SATCOM	10,15,25,35, 50 W Watts	Output Ripple	<50mV
RF Output Power LOS	25, 50 W CW/PEP	Output Protection	Continuous short circuit over-voltage, over temperature protection auto reset
Transmit SATCOM	292-318 MHz FM or Phase Modulation	Radio UPS Backup	Instant on switching, instantaneous switchover from AC to DC.
Transmit LOS	30-512 MHz with Automatic Frequency Detection	Efficiency	Approx 97% for DC, 87% of AC input, across the voltage range
Noise Figure SATCOM	3.5dB Typical	Operating Temp	-40°C to 71°C
Noise Figure	<3.5dB	Size	8.88"H x 19.9"W x 13.5"D (Out of Case)
Receive Gain	10dB	Weight	39lbs (without radio)
Input Voltage (including aircraft power)	85-270 VAC, 47-440 Hz single phase and/or 9-36VDC	Accessories	6' DC power cable, 6' AC power Cable with US NEMA 5-15P plug, and Operators manual
Radio DC input Current	26.5VDC@5.5 Amps (7 Amps peak)	DC Input Protection	MIL-STD-1275



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