

## 9 Technical Data

### 9.1 Electrical Characteristics

System Characteristics		
Parameter	Condition	Data
Method of Bearing		Doppler (3 kHz rotation frequency)
Bearing Accuracy		$\leq 5^\circ$ RMS <sup>1</sup>
Display Resolution		1°
Minimum Signal Duration		$\leq 100$ ms
Frequency Range	VHF Air Band	118.000 – 124.000 MHz 118.000 – 136.992 MHz (Option F1)
	VHF Marine Band	154.000 – 163.000 MHz 137.000 – 224.995 MHz (Option F2)
	UHF Air Band	240.000 – 246.000 MHz 225.000 – 399.975 MHz (Option F3)
	COSPAS-SARSAT	400.000 – 406.092 MHz
	UHF FM-Band	406.100 – 410.000 MHz 406.100 – 470.000 MHz (Option F4)
Receive Frequency Tuning Steps	VHF Air Band	8.33 kHz
	Marine Band	5 kHz
	UHF Air Band	25 kHz
	COSPAS-SARSAT	8.33 kHz
	UHF FM-Band	5 kHz
Bearing Sensitivity Continuous Signal ( $\pm 5^\circ$ bearing fluctuation)	VHF Air Band	$\leq 4 \mu\text{V/m}$ / $2.5 \mu\text{V/m}$ typical
	Marine Band	$\leq 3 \mu\text{V/m}$ / $2 \mu\text{V/m}$ typical
	Extended Marine Band above 174 MHz	$\leq 5 \mu\text{V/m}$ / $3 \mu\text{V/m}$ typical
	UHF Air Band	$\leq 6 \mu\text{V/m}$ / $4 \mu\text{V/m}$ typical
	COSPAS-SARSAT	$\leq 6 \mu\text{V/m}$ / $4 \mu\text{V/m}$ typical
	UHF FM-Band	$\leq 6 \mu\text{V/m}$ / $4 \mu\text{V/m}$ typical