

**SFE**®

**S580**

Rugged-Reliable Two-way Radio



### Heavy-duty, Cost-effective and Easy Operation

- Powerful Output 5Watt
- Double Protection Structure for Speaker
- Rainproof and Dustproof IP54
- Emergency Alert and Remote Emergency Alert
- CE and R&TTE Approved

# S580

## Professional Two-way Radio

<http://www.sfecom.cn>

### Main Features

- 16 Channels
- PC Programming
- Powerful Output 5W
- 50 Groups CTCSS, 104 Groups DQT
- High/low Power Selective
- VOX Function
- Emergency Alert
- Voice Guide/Prompt
- Busy Channel Lockout
- Scan and Priority Scan
- Auto Battery Save/Low Battery Alert
- Time Out Time(TOT)
- Wide/Narrow Bandwidth Selective
- Squelch Level Programming
- DTMF/PTT ID PC Programming
- CE and R&TTE Type Approved

### Accessories



Battery Pack



Antenna



Charger



AC Adapter



Belt Clip



Hand Strap

### General

Frequency Range:	UHF:400-470MHz & VHF:136-174MHz
Channel Capacity	16 Channels
Operation Voltage	7.2V DC $\pm$ 20%
Channel Spacing	25KHz(Wide)/12.5KHz(Narrow)
Antenna Impedance	50 $\Omega$
Battery Capacity	1300mAh(Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	About 12 Hours
Operating Temperature	-30°C - +60°C
Frequency Stability	$\pm$ 2.5ppm
Dimension(W*H*D)(Projections excluded)	55*31.5*99mm
Weight(Antenna & Battery Included)	210g

### Transmitter (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
RF Power Output(High/Low)	4W/2W/0.5W	
Modulation	16K $\Phi$ F3E	11K $\Phi$ F3E
Spurious Emission	$\geq$ 36dB	$\geq$ 36dB
Adjacent Channel Power	$\geq$ 70dB	$\geq$ 60dB
Hum & Noise	$\geq$ 40dB	$\geq$ 36dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Modulation Limiting	$\pm$ 5.0KHz $\pm$ 2.5KHz	$\pm$ 2.5KHz
Modulation Distortion	Less than 5%	
Frequency Stability	+/-5ppm	

### Receiver (ETSI EN 300 086 Testing Standard)

Bandwidth	Wide Band 25KHz	Narrow Band 12.5KHz
Sensitivity(12dB SINAD)	$\leq$ 0.25 $\mu$ V	$\leq$ 0.35 $\mu$ V
Adjacent Channel Selectivity	$\geq$ 70dB	$\geq$ 60dB
Intermodulation	$\geq$ 65	$\geq$ 60dB
Spurious Response Rejection	$\geq$ 70dB	$\geq$ 70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.25KHz)
Hum & Noise	$\geq$ 45dB	$\geq$ 36dB
Audio Distortion	$\leq$ 5%	
Audio Output	500mW with less than 10% distortion	

Above specifications are tested according to TIA/EIA-603.

Above specifications are subject to change without any notice due to technology enhancement.

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