

SM3000

3 PORT DIPLEXER

Part No. SM3000B0-3-F7



SureAntennas®

Covert Antenna Solutions

The SM3000 range of diplexers are designed to provide an improvement of VSWR between multiple transmitters and one aerial.

In order to maintain this enhanced performance it is necessary to minimise insertion losses through the system.

The SM3000 is designed with a very low insertion loss factor of less than -0.3 dB at VHF, and port to port isolation of better than -40dB. This, together with its capability to improve the VSWR of an antenna system, makes the SM3000 diplexer a powerful tool in the enhancement of any radio system.

Part number SM3000B0-3-F7 is designed to allow 380-430MHz and 159-174MHz to be used through a compatible antenna. Please contact us for more frequency and connector combinations.

Frequency Bands

VHF (3) Tetra

Specifications

Band	VHF	TETRA
Frequency	159-174MHz	380 – 430 MHz
Input Power	25W	25W
Insertion Loss	< -0.5dB	< -0.5dB
Port Isolation	< -40dB	< -40dB
VSWR	<1.5:1	<1.5:1
Impedance	50Ω	50Ω
Connection	BNC (f)	BNC (f)
Temp. Range	-20° C to +60°	
Dimensions (mm)	L137 x W 75 x H 32	

Subject to change without prior notice.

Product Uses

- Fleet Vehicles
- Covert Vehicles
- Emergency Vehicles

Features

- UHF
- GSM 900/1800
- UMTS
- ISM 868
- WLAN
- Bluetooth
- Custom Frequencies

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