

SM3000B0-3-F7 SM3000 3 Port Diplexer



The **SM3000 range of diplexers** is engineered to enhance **VSWR performance** between **multiple transmitters and a single aerial**. To maintain this improved performance, it is essential to **minimise insertion losses** throughout the system. The SM3000 diplexer boasts a remarkably **low insertion loss of less than -0.3 dB at VHF**, coupled with **port-to-port isolation exceeding -40dB**. This, along with its ability to improve the VSWR of an antenna system, makes the SM3000 an invaluable tool for **optimising any radio system**. This Diplexer supports **TETRA and VHF frequencies** respectively between **380-430MHz and 159-174MHz** through a compatible antenna. For additional frequency and connector options, please contact us.

Technical Specifications

Part No.	SM3000B0-3-F7	
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.

Sure Antennas. 6 Woodway Court, Thursby Rd, Bromborough, Merseyside CH62 3PR, United Kingdom
Schiphol Airport Tetra, Transpolis Park, Siriusdreef 17-27, 2132 WT Hoofddorp, Netherlands

T. +44 (0)151 363 7377 | E. sales@sure-antennas.com

www.sure-antennas.com

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