

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 -40 dB. 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

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.