

Mobile Duplexer

N-type female terminated VHF or UHF Configurations



The ZSQ series of VHF and UHF duplexers are a 6 cavity filter design. Suitable for radiotelephones or and VHF or UHF duplexed system. These models come in a 3 sub band range, each designed to work with a certain duplex spacing.

The filters have a very small physical dimension owing to the very high 'Q' helical resonators.

The housing is made from extruded aluminium with a passivated steel chasis. The filter is black vinyl coated for improved corrosion resistance.

Alternate options of input and output connectors are available. Please contact ZCG for more information.



Specifications	ZSQ-150A	ZSQ-400	ZSQ-450	ZSQ-480	ZSQ-480H
Construction	Black aluminium outer case, coaxial cable and chrome terminations				
Frequency range	VHF 150-174MHz	UHF 375-440MHz	UHF 400-520MHz	UHF 440-520MHz	
Bandwidth specify	±200kHz				
VSWR	<1.5:1			<1.25:1	
Impedance nominal	50 Ohms				
Frequency spacing	5.7MHz	5MHz min, 15MHz Max.	5MHz	10MHz	5MHz
Insertion loss	≤1.0dB	1.2dB max. 1.0dB min.	≤1.0dB		Tx: ≤1.0dB Rx: ≤1.2dB
Suppression	>75dB	N/A	>75dB		
Isolation	>80dB	70+dB min. 75dB max.	>80dB	>75dB	
Connector	3 x N-type female		3 x N-type female or 3 x BNC female - specify		3 x N-type female
Maximum input power	50 Watts	40 Watts	50 Watts		
Dimensions	W: 221mm D: 154mm H: 31mm	W: 156mm D: 127mm H: 35mm	W: 191mm D: 191mm H: 39mm	W: 224mm D: 153mm H: 31.5mm	W: 240mm D: 158mm H: 31.5mm