

## Mobile Duplexer

N-type female terminated  
UHF 370-520MHz - set configurations



The ZSQ series of UHF duplexers are a 6 cavity filter design. Suitable for radiotelephones 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 chassis. 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-400	ZSQ-450	ZSQ-480	ZSQ-480H
Construction	Black aluminium outer case, coaxial cable and nickel plated terminations			
Frequency range	375-440MHz	400-520 MHz	440-520MHz	
Bandwidth specify	±200 kHz			
VSWR	<1.5:1		<1.25:1	
Impedance nominal	50 Ohms			
Frequency spacing	5 MHz min, 15 MHz Max.	5 MHz	10 MHz	5 MHz
Insertion loss	1.2 dB max. 1.0 dB min.	≤1.0 dB		Tx: ≤1.0 dB Rx: ≤1.2 dB
Suppression	N/A	>75 dB		
Isolation	70+dB min. 75 dB max.	>80 dB	>75 dB	
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	40 Watts	50 Watts		
Dimensions	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