

ZXL-DTSGQ-450-16A

Compact UHF / TETRA bandpass duplexer UHF 380-470MHz

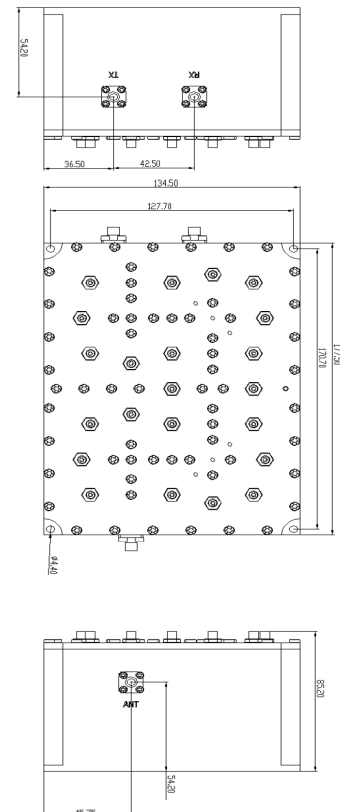


The ZXL-DSTGQ-450-16A compact UHF / TETRA bandpass duplexer is designed to combine a Tx and Rx into a single external antenna.

The ports are identified Tx and Rx on the respective termination for ease of installation. The central termination will be labelled Ant for connection onto your external antenna/feeder cable

Consult ZCG on your specific requirements if you cannot see a solution below.

Electrical Specifications		
Construction	Black outer aluminium body, mounting brackets and terminations	
Channel	Low Pass - Rx	High Pass - Tx
Pass frequency	<ul style="list-style-type: none"> 380~385MHz 385~390MHz 410~415MHz 415~420MHz 450~455MHz 455~460MHz 	<ul style="list-style-type: none"> 390~395MHz 395~400MHz 420~425MHz 425~430MHz 460~465MHz 465~470MHz
	• Frequency can be made within 380-470MHz, consult ZCG	
Pass bandwidth	5MHz	5MHz
VSWR	≤1.3:1	≤1.3:1
Impedance	50 Ohm - nominal	
Insertion loss	≤2dB	≤2dB
Passband ripple	≤1dB	≤1dB
Maximum input power	100 Watts	
Attenuation Out of band	≥85dB at high pass - Tx	≥85dB at low pass - Tx
Rx-Tx Isolation	≥85dB	
Mechanical Specifications		
Terminations	N-type female as standard, or specify SMA-F or QMA-F	
Weight	2kg	
Dimensions	Width: 177mm x Depth: 134mm x Height: 85mm	
Humidity	≤95%	
Operating temperature	-30°C to +60°C	
Storage temperature	-40°C to +85°C	





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Typical response curve

