

30W VHF Mobile Duplexer

Model: 6MC150-30 135 -175MHz 30Watts



Compact duplexer 6MC150-30 is meant to provide frequency isolation between transmitting and receiving channels. Combining small geometry with low loss and close frequency spacing with selective pass characteristics this duplexer is ideal for use in systems with low-to-medium power repeaters where small physical dimensions of equipment are critical.

Features

- Compacted 6 high quality aluminium cavity
- Designed to meet environmental requirements of MIL-DTL-3933.
- Low loss and high isolation.

MECHANICAL SPECIFICATIONS	
CONNECTORS	Brass Nickel Plated
PIN	Brass Silver Plate
HOUSING	Aluminium, Black Anodize
INSULATOR	PTFE Virgin Electrical Grade
DIMENSIONS	215 x 154 x 32mm
OPERATING TEMP.	-20° C to +50° C
WEIGHT kg /(oz)	1.2kg

RoHS compliant: Yes

ELECTRICAL SPECIFICATIONS

Items	Specifications		
Frequency range: (MHz)	135 -175		
Frequency spacing: (MHz)	3.5	5.7	15
Frequency bandwidth: (KHz)	±200	±200	±200
Insertion loss: (dB)	<1.2	<1.2	<1.2
VSWR:	<1.3		
Isolation: (dB)	>75 (BW) / >90 (Single frequency)		
Input power (max.) Watts	30		
Connector:	N type Female		

Nominal impedance: 50Ω

Notes:

- 1) Dimensions Tolerance ±5%
- 2) Dimension and specifications refer to connector type N unless otherwise specified
- 3) Customer designs available for other special frequency spacing and accuracy.

TEST REPORT

Model: 6MC150-30 135 -175MHz 30Watts

