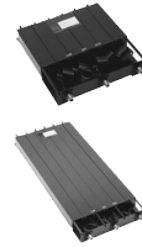




VHF/UHF Compact Base Station Duplexer, 435-470MHz, N-Female

Product Description

RFS's 638 series duplexers are ideal for repeater and base station applications where higher input power and compact dimensions are essential. These duplexers are capable of handling up to 150 Watts of continuous input power. The 638 Series features include an all brass construction providing exceptional electrical stability and physical durability. Low loss solid shield copper jacketed intercabling also enhance this stability.



638-6 Series

Features/Benefits

- **Low loss – Maximizes system performance.**
- **Compact – Minimizes use of space.**
- **Brass construction – Maximizes electrical stability.**

Technical Specifications

Frequency Band	380 MHz - 512 MHz
Application	UHF
Type	Base Station
Frequency Spacing, MHz	5
Tx to Rx Isolation, dB	75 or greater
Insertion Loss, dB	1.2
Frequency Range, MHz	435-470
Tx/Rx Bandwidth, MHz	0.025
Connector Type	N-Female
Rack Mount	No
Tx Bandwidth, MHz	0.025
Rx Bandwidth, MHz	0.025
Continuous Power Input, Max., Watts	100
Insertion Loss, Tx - Ant., dB	1.2
Insertion Loss, Rx - Ant., dB	1.2
Tx Noise Suppression at Rx Frequency, dB	75
Rx Isolation at Tx Frequency, dB	75
VSWR, Max. (50 ohms)	1.3:1
Connectors - Ant. Port	N-Female
Connectors - Tx Port	N-Female
Connectors - Rx Port	N-Female
Temperature Range, °C (°F)	-30 to +60 (-22 to +140)
Height, mm (in)	44.5 (1-3/4)
Width, mm (in)	230 (9-1/16)
Depth, mm (in)	206 (10-1/4)
Mounts in 19" (483mm) EIA Rack (Yes/No)	No
Weight, kg (lb)	2.8 (6-1/4)

Notes

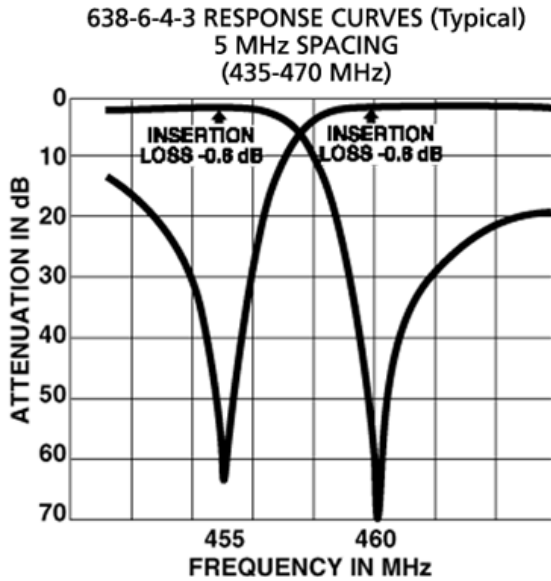
Other Documentation



CALL 1-815-790-4494



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Response Curve

Wadsworth Sales Incorporated



Bryan Wadsworth
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WB9MCW
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All information contained in the present datasheet is subject to confirmation at time of ordering