



VHF Mobile Duplexer, 164-174MHz, Hybrid

RFS's 636-6 Series uses three capacitively tuned, temperature compensated helical resonators in the receiver channel and three more in the transmit channel. The resonators are housed in a compact 6063-T6 irridite aluminum extrusion that is painted for additional protection.

FEATURES / BENEFITS

- ➞ Low loss - Maximizes system performance.
- ➞ High isolation - Minimizes interference.
- ➞ Unique construction - For low loss and system stability.



636-6A Series

Technical Features

GENERAL SPECIFICATIONS

Tech. Application		VHF
Type		Mobile

ELECTRICAL SPECIFICATIONS

Frequency Band	MHz	100 - 174
Frequency Spacing	MHz	4.5
Tx to Rx Isolation	dB	75 or greater
Insertion Loss	dB	1.2
Frequency Range	MHz	164 - 174
Tx/Rx Bandwidth	MHz	0.025
Tx Bandwidth	MHz	0.025
Rx Bandwidth	MHz	0.025
Continuous Power Input, Max.	Watts	50
Insertion Loss, Tx - Ant.	dB	1.2
Insertion Loss, Rx - Ant.	dB	1.2
Tx Noise Suppression at Rx Frequency	dB	80
Rx Isolation at Tx Frequency	dB	80
VSWR Max. (50 ohms)		1.5:1

MECHANICAL SPECIFICATIONS

Connector Type		Hybrid
Rack Mount		No
Connectors - Ant. Port		N-Female
Connectors - Tx Port		BNC-Female
Connectors - Rx Port		BNC-Female
Height	mm (in)	31.8 (1-1/4)
Width	mm (in)	159 (6-1/4)
Depth	mm (in)	216 (8-1/2)
Mounts in 19" (483mm) EIA Rack		No
Weight	kg (lb)	1 (2.2)

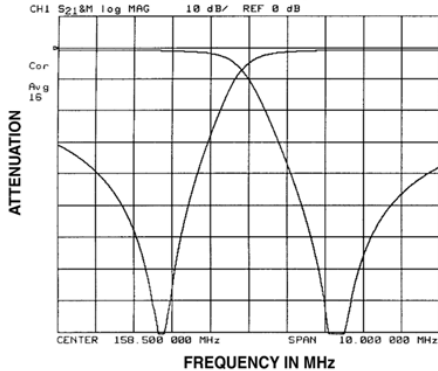
TEMPERATURE SPECIFICATIONS

Temperature Range	°C (°F)	-30 to 60 (-22 to 140)
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636-6A RESPONSE CURVES (Typical)
4.5 MHz SPACING
(136-174 MHz)



Response Curve

External Document Links

Notes