



UHF Mobile Duplexer, 406-450MHz, N-Female

The 633-6A series Mobile Duplexer uses six capacitively tuned TEM resonators in a compact extruded 6063-T6 aluminum housing. The aluminum is irridite and the entire unit painted for additional protection. Specifications are given here for 5 MHz and 10 MHz separations. The 633-A Mobile Duplexer uses four resonators and cabling similar to 633-6A. The two additional cavities provide the added isolation required in some systems. Both duplexers use solid shield copper jacketed Teflon intercabling for low loss.



633-6A Series

FEATURES / BENEFITS

- ➔ Low loss - Maximizes system performance.
- ➔ High isolation - Minimizes interference.
- ➔ Compact - Minimizes space requirements.

Technical Features

GENERAL SPECIFICATIONS

Tech. Application		UHF
Type		Mobile

ELECTRICAL SPECIFICATIONS

Frequency Band	MHz	380 - 512
Frequency Spacing	MHz	5.0
Tx to Rx Isolation	dB	75 or greater
Insertion Loss	dB	1.4
Frequency Range	MHz	406 - 450
Tx/Rx Bandwidth	MHz	0.025
Tx Bandwidth	MHz	0.025
Rx Bandwidth	MHz	0.025
Continuous Power Input	Watts	50.0
Insertion Loss, Tx - Ant.	dB	1.4
Insertion Loss, Rx - Ant.	dB	1.4
Tx Noise Suppression at Rx Frequency	dB	75.0
Rx Isolation at Tx Frequency	dB	75.0
VSWR Max. (50 ohms)		1.3:1

MECHANICAL SPECIFICATIONS

Connector Type		N-Female
Rack Mount		No
Connectors - Ant. Port		N-Female
Connectors - Tx Port		N-Female
Connectors - Rx Port		N-Female
Height	mm (in)	31.8 (1-1/4)
Width	mm (in)	157 (6-3/16)
Depth	mm (in)	228 (9)
Mounts in 19" (483mm) EIA Rack		No
Weight	kg (lb)	1.7 (3.5)

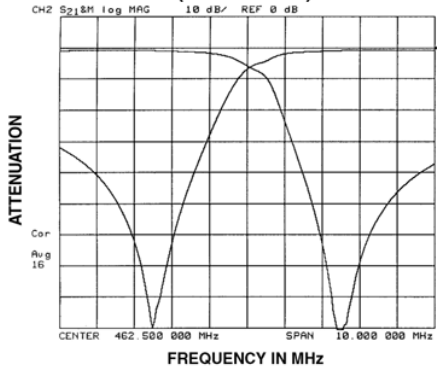
TEMPERATURE SPECIFICATIONS

Temperature Range	°C (°F)	-30 to 60 (-22 to 140)
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633-6A-1N RESPONSE CURVES (Typical)
5 MHz SPACING
(297-512 MHz)



Response Curve

External Document Links

Notes