

633-6A Series

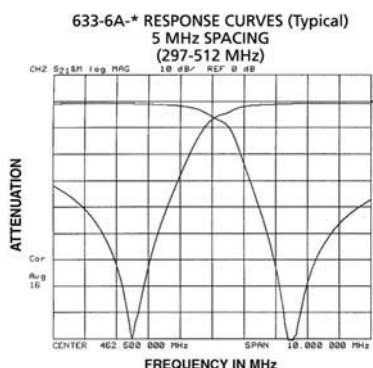
The 633-6A Mobile Duplexer uses four capacitively tuned TEM resonators in a compact extruded 6063-T6 aluminum housing. The aluminum is irridite and the entire unit painted for additional protection. Specifications are given here for 5 MHz and 10 MHz separations. The 633-6A Mobile Duplexer uses six resonators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



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

633-6A Series

ELECTRICAL SPECIFICATIONS	633-6A-1	633-6A-1N	633-6A-2	633-6A-2N
Frequency Spacing, MHz	5	5	5	5
Rack Mount	No	No	No	No
Mounting	N/A	N/A	N/A	N/A
Transmit/Receive Frequency Band	N/A	N/A	N/A	N/A
Tx Bandwidth, MHz	0.025	0.025	0.025	0.025
Rx Bandwidth, MHz	0.025	0.025	0.025	0.025
Continuous Power Input, Max., Watts	50	50	50	50
Insertion Loss, Tx - Ant., dB	1.4	1.4	1.4	1.4
Insertion Loss, Rx - Ant., dB	1.4	1.4	1.4	1.4
Tx Noise Suppression at Rx Frequency, dB	75	75	75	75
Rx Isolation at Tx Frequency, dB	75	75	75	75
VSWR, Max. (50 ohms)	1.3:1	1.3:1	1.3:1	1.3:1
Connectors - Ant. Port	BNC-Female	N-Female	BNC-Female	N-Female
Connectors - Rx Port	BNC-Female	N-Female	BNC-Female	N-Female
Temperature Range, °C (°F)	-30 to +60 (-22 to +140)	-30 to +60 (-22 to +140)	-30 to +60 (-22 to +140)	-30 to +60 (-22 to +140)
MECHANICAL SPECIFICATIONS				
Height, mm (in)	31.8 (1-1/4)	31.8 (1-1/4)	31.8 (1-1/4)	31.8 (1-1/4)
Width, mm (in)	157 (6-3/16)	157 (6-3/16)	157 (6-3/16)	157 (6-3/16)
Depth, mm (in)	241 (9-1/2)	241 (9-1/2)	241 (9-1/2)	241 (9-1/2)
Weight, kg (lb)	1.7 (3.5)	1.7 (3.5)	1.7 (3.5)	1.7 (3.5)
Mounts in 19" (483mm) EIA Rack (Yes/No)	No	No	No	No



ORDERING INFORMATION	
Model Number	Frequency Range, MHz
633-6A-1	406-450
633-6A-1N	406-450
633-6A-2	450-470
633-6A-2N	450-470