



VHF 100 WATT MOBILE AMPLIFIER 136-174 MHz

PARAMETER	SPECIFICATION
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Frequency Range:	136-174 MHz / (other ranges available)
Transmit current drain:	18 A nominal at rated power
Carrier Output Power Rating:	100 Watts nominal
Carrier Input Power Range:	See chart below
Spurious and Harmonics:	Meets FCC specifications
Operating Voltage:	13.8 VDC nominal
Duty Cycle:	25% (2 minute maximum key)
Load VSWR Tolerance:	VSWR protected
Over Temperature:	Over Temperature protected (unit goes into bypass mode upon activation)
T/R Switching	PIN diode, 200 us nominal switching time
Input/Output Impedance:	50 Ohms nominal
Input/Output Connectors:	UHF (other connector options available)
Operating Temperature Range:	-30C to +60C
Size	2.8" H x 6.8" W x 9.8" D

INPUT POWER RANGE	
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DSDTV100-R1	100-200 mW
DSDTV100-R2	200-500 mW
DSDTV100-R5	500-1000 mW
DSDTV100-01	1-2 W
DSDTV100-02	2-5 W
DSDTV100-05	5-10 W
DSDTV100-10	10-20 W