

# Amplifiers



**TS0205CDRM**



**TS0205**

Model#	Type	Output Power	Transmit Current	Dimensions
<b>VHF (132-174MHz)</b>				
TS0201-xxx/N	Mobile	30-45 watts	8 amps	9.5" L x 3.0" H x 4.5" W
TS0203-xxx/N	Mobile	70-120 watts	24 amps	11.6" L x 3.0" H x 5.5" W
TS0201CDRM-xxx/N	Rack Mount	30-45 watts	8 amps	19" W x 5.3" H x 3.0" D
TS0203CDRM-xxx/N	Rack Mount	70-120 watts	24 amps	19" W x 7.0" H x 5.0" D
<b>UHF (380-512MHz)</b>				
TS0205-xxx/N	Mobile	25-45 watts	8 amps	9.5" L x 3.0" H x 4.5" W
TS0206-xxx/N	Mobile	70-100 watts	20 amps	11.6" L x 3.0" H x 5.5" W
TS0205CDRM-xxx/N	Rack Mount	25-45 watts	8 amps	19" W x 5.3" H x 5.0" D
TS0206CDRM-xxx/N	Rack Mount	70-100 watts	20 amps	19" W x 7.0" H x 5.0" D
("xxx" designates the center frequency in MHz)				



# Amplifiers

## General Specifications

<b>RF Input Power</b>	1-4 watts												
<b>Impedance</b>	50 Ohms												
<b>RF Connectors</b>	N Female												
<b>Duty Cycle</b>	Rack Mount - 100%												
	Mobile												
	<table><thead><tr><th><u>Power</u></th><th><u>Duty Cycle</u></th></tr></thead><tbody><tr><td>20 w</td><td>80%</td></tr><tr><td>40 w</td><td>50%</td></tr><tr><td>60 w</td><td>40%</td></tr><tr><td>80 w</td><td>30%</td></tr><tr><td>100 w</td><td>20%</td></tr></tbody></table>	<u>Power</u>	<u>Duty Cycle</u>	20 w	80%	40 w	50%	60 w	40%	80 w	30%	100 w	20%
<u>Power</u>	<u>Duty Cycle</u>												
20 w	80%												
40 w	50%												
60 w	40%												
80 w	30%												
100 w	20%												
<b>Bandwidth</b>	$\pm 10$ MHz from center frequency												
<b>Rx Insertion Loss</b>	< 1 dB												
<b>Tx Switching Time</b>	< 1 msec.												
<b>Temperature Range</b>	-30° to +50° Celsius												
<b>Input Voltage</b>	13.6 VDC, 11.5VDC min, 14.5VDC max												
<b>Receive Current</b>	3 ma												
<b>Power Connector</b>	Cinch 4 pin male												

## Mobile Amplifier Dimensions

