



P35 Series VHF Power Amplifier

150-174 MHz 350 Watts Output Power

Frequency Range:	150-174 MHz
DC Operating Voltage:	48 ±0.5 VDC or 110/220 VAC (with -PS/PS2- option)
DC Current Consumption:	20 A (max) @ 48 VDC, 10 A (max) @ 110 VAC
Duty Cycle:	100%
Modulation:	FM/Constant Envelope
Power Input:	See chart below
Power Output:	350 Watts (nom), set at factory
Spurious & Harmonics:	Exceeds FCC specifications
Input/Output Impedance:	50 Ohms
Load VSWR Tolerance:	Full power, sustained operation 1.5:1 or better, VSWR protected above 2.5:1
Isolator:	Internal isolator included
Indicator LEDs:	Pwr On, Exciter Drive, Hi Temp, Hi VSWR, Hi Input, Low Output
Remote Monitoring Connector:	DB15 includes alarm and status pins, power control and Form C relay outputs
Input/Output Connector:	Type N female
Cooling Method:	Fan forced air over heat sink
Operating Temp. Range:	-30° C to +60° C
Storage & Transport:	-40° C to +70° C
Humidity:	80% at +40° C (non-condensing)

SIZE

Vertical Mounting:	5.25 in
Horizontal Mounting:	19.0 in
Depth:	20.0 in
Weight:	35 lbs (16 kg)

POWER INPUT RANGE

Model Description	Required Power In	Power Output
P35-5E3-C8-001 / P35-5E3-PS(2)-C8-001	5-10 W	350 W
P35-10E3-C8-001 / P35-10E3-PS(2)-C8-001	10-20 W	350 W
P35-20E3-C8-001 / P35-20E3-PS(2)-C8-001	20-50 W	350 W
P35-50E3-C8-001 / P35-50E3-PS(2)-C8-001	50-100 W	350 W

These specifications are subject to change without notice.

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