

Weltronics Corp.

Division of the IEEE Group

1414 S. Fair Oaks Avenue, Suite #7, South Pasadena CA 91030 Tel: 626-799-6396 Fax: 626-799-6541

AMC" Product Information

2N100 Series Multi-Channel Amplifiers

2N100-2 / 2N100-3 / 2N100-5

"Powerful...", "Convenient...", "Great Sounding...", are among the words customers have used to describe the new multi-channel amplifiers from AMC". The popularity of home theater and growing use of multi-channel formats in musical recordings are fueling the demand for high performance multi-channel amplifiers.

Popular for use in home theater systems, multi-channel amplifiers can deliver power to left, center and right front speakers together with surround speakers, all from a single chassis. Today's digitally encoded, multi-format movie soundtracks and musical recordings can produce incredible dynamics in all of their completely separate channels. Amplifiers reproducing these dynamic signals must do so without interfering with each other.

In high quality amplifiers, circuit design is critical in order to achieve maximum performance and exceptional sound. Each channel of the 2N100 series amplifiers employs an independent, unipolar power module. This design provides wide dynamic range with greater efficiency while assuring phase integrity and the lowest levels of interchannel crosstalk.

Additionally, all 2N100 series amplifiers utilize high current output devices, oversized toroidal power transformers and unique commutating dual-stage power supplies. This combination enables 2N100 series amplifiers to deliver up to 20% more power than other amplifiers of similar size and to provide the high current demanded by low impedance loads, which are exhibited by virtually all contemporary loudspeakers.

The 2N100 series amplifiers provide high quality speaker binding posts that can accommodate large gauge speaker cables or banana plugs. Each channel is equipped with both signal input and output jacks for increased versatility.

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Product Specifications

AMC™ Multi-Channel Power Amplifiers **2N100-2 / 2N100-3 / 2N100-5**

Power/Channel into 8Ω (IHF).....	150W
Rated THD and IMD.....	<0.03%
Dynamic Headroom.....	1.7dB
Current limit @ .1Ω and 1Ω.....	30 Amps
Output offset.....	+/-10mV Max
S/N Ratio at 1W/8Ω	>102dB (A-wtd)
Input voltage for 100 watts	1 Volt rms
Frequency Response 20Hz-20kHz.....	+/- 0.3dB
-3dB.....	4Hz & 75Hz
Separation.....	>70dB @ 20kHz
Damping Factor.....	>200
Input Impedance.....	22kΩ/150pf
Dimensions (W"xD"xH") for 2N100-2 & 2N100-3.....	17x13x5
2N100-5.....	17x14x7
Shipping Weight (Lbs):	
2N100-2.....	# 2 7
2N100-3.....	# 3 4
2N100-5.....	# 3 7