

ELECTROLINE

Drop Amplifier Features - Comparative Analysis

	Electroline EDA-2100	Amplifier A	Amplifier B	Technical Advantage	Benefit
Design					
Anadigics 10001 Chip	Yes			Superior CSO & CTB specifications	Lower distortion performance
Powering	15 VDC			Superior CSO & CTB specifications	Lower distortion performance
PWR-to-RF IN isolation	100 dB min			Minimization of ingress	Cleaner upstream signals
Dual compartment power inserter	Yes			Minimization of ingress	Cleaner upstream signals
RFI isolation	100 dB min			Minimization of ingress	Cleaner upstream signals
Rugged aluminium casting	Yes			Outdoor use	Maximization of MTBF
Tongue'n'groove cover closure	Yes			Superior waterproofing technique	Maximization of MTBF
Machine-punched back cover	Yes			Superior waterproofing technique	Maximization of MTBF
Manufacturing					
Automated Surface Mount Technology	Yes			Minimum human handling	Prevents field failures
Reflow oven	Yes			Uniform soldering	Consistent product quality
Electro static discharge (ESD) avoidance practices	Yes			Superior protection during manufacturing	Prevents field failures
Rework	Low			Increased reliability	Prevents field failures
PCB quality	High			Reliable component soldering	Prevents field failures
PCB side	Double			Reliable component soldering	Prevents field failures
IPC standard packaging and interconnection	Yes			Superior fabrication methods	Prevents field failures
ISO 9001 certification	Yes			Guaranteed level of quality	Consistent product quality
Production facilities in North America	Yes			Superior fabrication methods	Consistent product quality
Durability					
Power LED indicator	Yes			Quick visual inspection	Minimization of maintenance costs
PTC in wall adapter	Yes			Safety in homes	Minimization of maintenance costs
6kV surge protection on all ports	Yes			Resistant to power surges	Maximization of MTBF
Non-shorting to ground powering	Pass			Wall adapter protected	Minimization of maintenance costs
Fast transient protection	Yes			Extra electrical protection	Maximization of MTBF
SCTE-compliant connectors	Yes			Avoidance of common path distortions	Maximization of MTBF
Water-sealed Teflon connectors	Yes			Superior waterproofing technique	Maximization of MTBF
Connector pin type	Round			Superior waterproofing technique	Maximization of MTBF
Ring tab on wall adapter	Yes			Prevents accidental unplugging	Minimization of maintenance costs
Withstands 10 PSI waterproof test	Yes			Outdoor use	Maximization of MTBF
General					
Esthetics	Yes			Customer acceptance	Enhances MSO's image
Consistent specifications	Yes			Predictable performance	Consistent product quality
Complete product line offering	Yes			Predictable performance	Consistent product quality