

NHR – Slimpack, High Temperature Aluminum Electrolytic

Alternative to Banks of Wet Tantalum Capacitors

Featuring high capacitance at high voltage and temperature, Type NHR-Slimpack offers considerable size and cost advantages over series-parallel banks of wet tantalum capacitors. Their applications in down-hole tools, military, and aerospace allow for solutions that use fewer components, lower weight, lower cost and improved reliability compared with banks of wet tantalum capacitors. Their rugged construction withstands vibration up to 80g.

Highlights

- Alternative to banks of wet tantalum capacitors
- No voltage derating required at 150 °C
- Rugged, stainless steel case
- Near hermetic seal, prevents dry-out
- Just 0.5" in height, by 1.0" wide (available in 4 lengths)
- High capacitance retention at low voltage, -55 °C



Specifications

Operating Temperature	-55 °C to +150 °C
Rated Voltage	75 Vdc to 300 Vdc
Capacitance	60 μ F to 960 μ F
Capacitance Tolerance	$\pm 20\%$
Load Life	3,000 hours at rated voltage, 150 °C
Vibration Withstand	50g to 80g
Altitude Test	80,000 ft

