Objective
The DC supply to a remote radio head requires robust and extremely reliable surge protection. Sensitive electronics must be protected from severe overvoltage conditions. The Bourns® SMD Power TVS Diode offers bidirectional overvoltage protection for DC power supplies through a reliable clamping action.

Solution
1 Power TVS (PTVS) Diode: PTVS6-076C-M

Features & Benefits
The highlighted device supports a standoff voltage of 76 V. Surge voltages are clamped at a low level above this voltage. The device is RoHS compliant* and handles repeated surges with a peak of 3 kA (per IEC 61000-4-5, 8/20 µs). The reduced inductance of the SMD package leads results in superior clamping performance.

Note: Additional voltage and current ratings are available.