

BITE CAL Switch

BACKGROUND INFORMATION

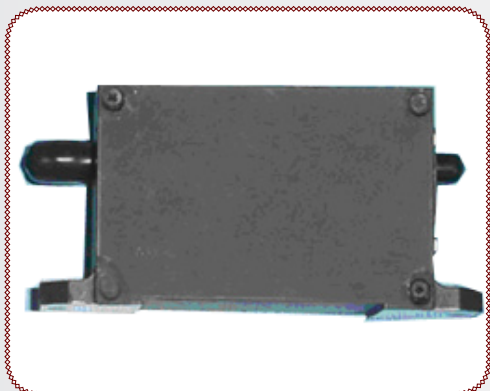
Task: Modernization, Obsolescence Mitigation. Design Form, Fit and Functional Replacement

System Used in: AN/TPN-73

Brief Description: A BITE assembly used to detect input signals greater than + 22 dBm and allow for isolating the output by 55 dB. Used to test the amplitude of test signals in the Radar.

Program: SSC Pacific MATCALs Program
Customer: SPAWAR

Results: Designed and built within budget and on time.



Completed Assembly Side View

Specifications

- Insertion Loss: ≤ 1.5 dB
- Isolation if Off State: > 55 dB
Frequency Range: 2065-2255 MHz
- Input Levels: +30dBm Nominal
- Control input: 0-1 VDC (1 turns off sw)
- Bite Level High: > 22 dBm input
- Voltage: + 5 and +/- 12 VDC

Features:

Manufacturer: Micro USA, Inc.

Cage Code: 02UU8



Completed Assembly Top View