

IMPULSE CARTRIDGE FOR CHAFF 118

Chaff Cartridge 118 forms part of a Counter Measure Deployment System (CMDS) to protect the host air craft from Radar guided missile threats by providing a decoy (as chaff cloud). Chaff 118 consists of chaff payload to be ejected for , top cover, piston and impulse cartridge (IC). The impulse Cartridge contains a pyrotechnic squib charge and propellant, which when fired generates gas pressure to eject the chaff payload with ejection velocity 25-50 m/s. All specified parameters like No Fire Current (NFC), All Fire Current (AFC), Ignition Delay and Pressures in a specified volume have been achieved. Chaff 118 is ready for the induction into services. In order to meet the large requirement of ICs, TOT of these ICs needs to be transferred to OFB/private industries.



Salient Features:

- 'No Fire' current : 1 Amp / 1 Watt for 5min
- 'All Fire' Current : > 4.25 Amps
- Resistance : 1.00 ± 0.15 Ohms
- Peak Pressure : 3.1 to 5.2 MPa in a 45 cc closed bomb
- Exposure Temperature : -65°C to +85°C