

# FERRET-2 CHARACTERISTICS

PARAMETER	RANGE	TOLERANCE	REMARKS
FREQUENCY	2500-3200 MC (BAND 1) 9000-10,000 MC (BAND 2) 59-650 MC (BAND 3)	$\pm 1\%$ $\pm 1\%$ $\pm 1\%$	
PULSE REPETITION FREQUENCY	40-20,000 PPS	$\pm 50 \mu\text{SEC}$	PRF IS MEASURED BY COUNTING PULSE INTERVAL WITH A 20KC OSCILLATOR
PULSE WIDTH	0.25-31 $\mu\text{SEC}$	$\pm 0.25 \mu\text{SEC}$	
TIME OF INTERCEPT	N/A	$\pm 1 \text{ SEC}$	LOCATION OF EMITTERS CAN BE DETERMINED FROM TIME OF INTERCEPT

## OTHER CHARACTERISTICS

MAXIMUM STORAGE CAPACITY	10,000 INTERCEPTS (USING FAST START-STOP TAPE RECORDER)
NOMINAL OPERATING ALTITUDE	260 NAUTICAL MILES
CIRCLE OF COVERAGE	180 STATUTE MILES
PAYLOAD WEIGHT	300 LB. (ESTIMATED)
POWER CONSUMPTION	175 WT-HR/DAY

PAYLOAD EQUIP. ADJUSTMENTS CAN BE MADE VIA REAL TIME COMMANDS ORIGINATING FROM THE F-2 PAYLOAD EVALUATION & COMMAND CONSOLE

SS "F" 4/5/59 COPY # 7

D/427728

~~SECRET~~

THIS DOCUMENT CONTAINS INFORMATION EXPRESSLY AND EXCLUSIVELY FOR THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 & 794, ITS TRANSMISSION OR THE REVEALATION OF ITS CONTENTS TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

LOCKHEED MISSILES AND SPACE DIVISION

~~SECRET~~

# FERRET - I CHARACTERISTICS

PARAMETER	RANGE	TOLERANCE	REMARKS
FREQUENCY	2600-3200 MC(S-BAND 1) 9000-10,000 MC(X-BAND 2)	± 1 % ± 1 %	
PULSE REPETITION FREQUENCY	200-20,000 PPS	± 50 μ SEC	PRF IS MEASURED BY COUNTING PULSE INTERVAL WITH A 20KC OSCILLATOR
PULSE WIDTH	1 - 31 μ SEC	± 1.0 μ SEC	
TIME OF INTERCEPT	N/A	± 1 SEC	LOCATION OF EMITTERS CAN BE DETERMINED FROM TIME OF INTERCEPT

## OTHER CHARACTERISTICS

MAX. RECORDING TIME BETWEEN READOUTS - 16 MINUTES  
 NOMINAL OPERATING ALTITUDE ————— 260 NAUTICAL MI.  
 CIRCLE OF COVERAGE ————— 180 STATUTE MI.  
 PAYLOAD WEIGHT ————— 339 LB.  
 POWER CONSUMPTION ————— 785 WT-HR/DAY

117 SS\*F\* 4/5/59 COPY \* 7  
ASD/427T27

~~SECRET~~

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794, the transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

LOCKHEED MISSILES AND SPACE DIVISION