

CAPACITOR SPECIFICATION

PART NUMBER: 37328 and 37328M

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.16	uF		100% 120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	40.0	kV		
TEST VOLTAGE:	60.0	kV		100% 60 sec HIPOT
RATED ENERGY:	128	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	40	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	45	Amps RMS		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	1.0E+08	charge / discharge cycles		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.15	%		100% 120 Hz, R.T.*
APPROX. INDUCTANCE	20	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	PLASTIC CASE, SINGLE-ENDED		Extended Foil "S"	
BUSHING:	50 kV S HEADER			
ELECTRODE: 37328	2 BRASS RAILS, 0.5 X 3.0 x 1/4 inch deep with 2 ea 10-32 UNF-2B Holes			
ELECTRODE: 37328M	2 BRASS RAILS, 12.7 x 76.2 x 6.4mm deep with 2 ea M5 x 0.8 Holes			
DIMENSIONS:	2.3 x 5.9 x 18.5	inches		
	58 x 150 x 470	mm		
WEIGHT:	11.1	lbs		
	5.0	kg		

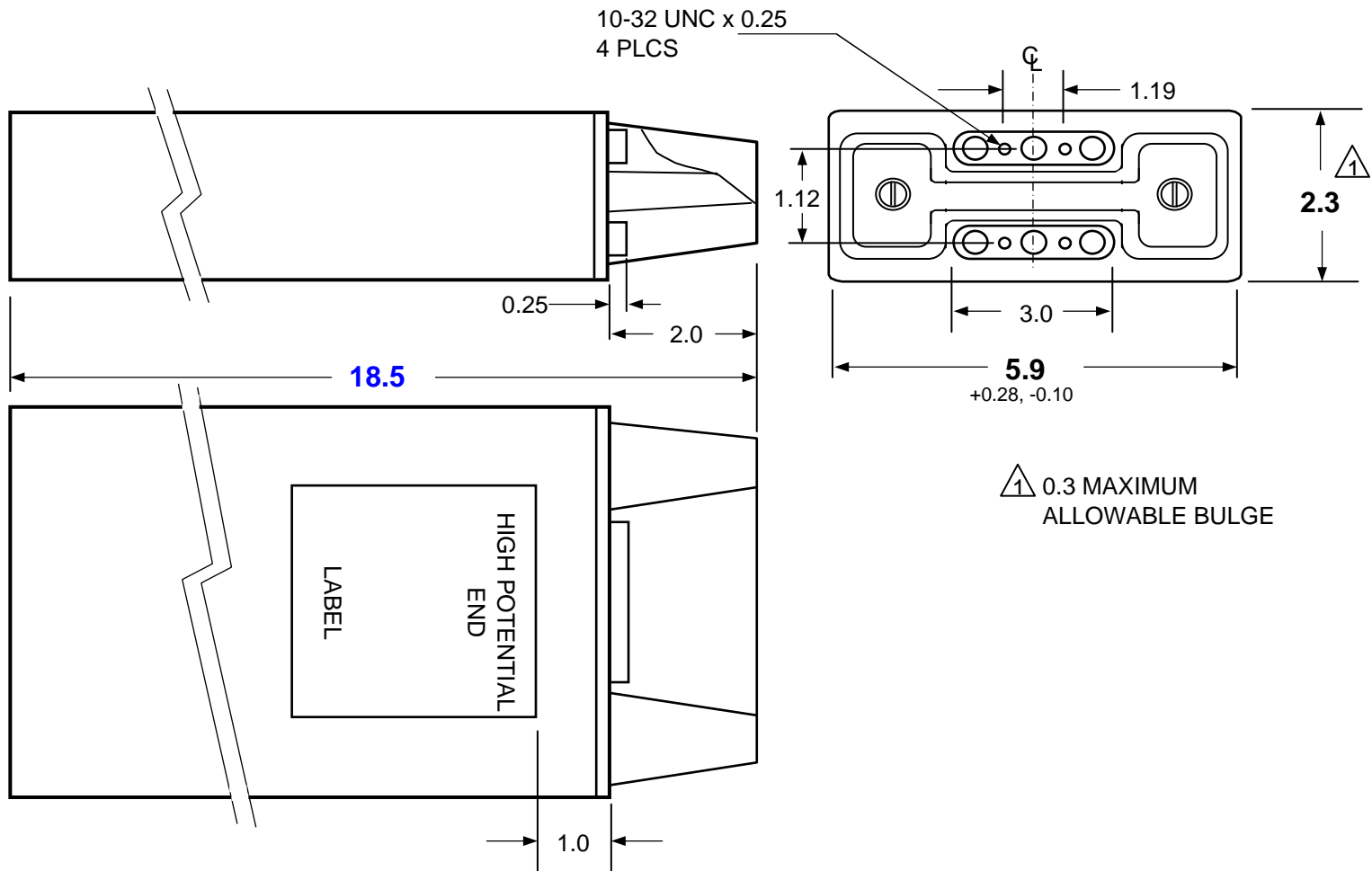
NOTES:


NOTE 1: LEAK TEST: 100 % test and inspection

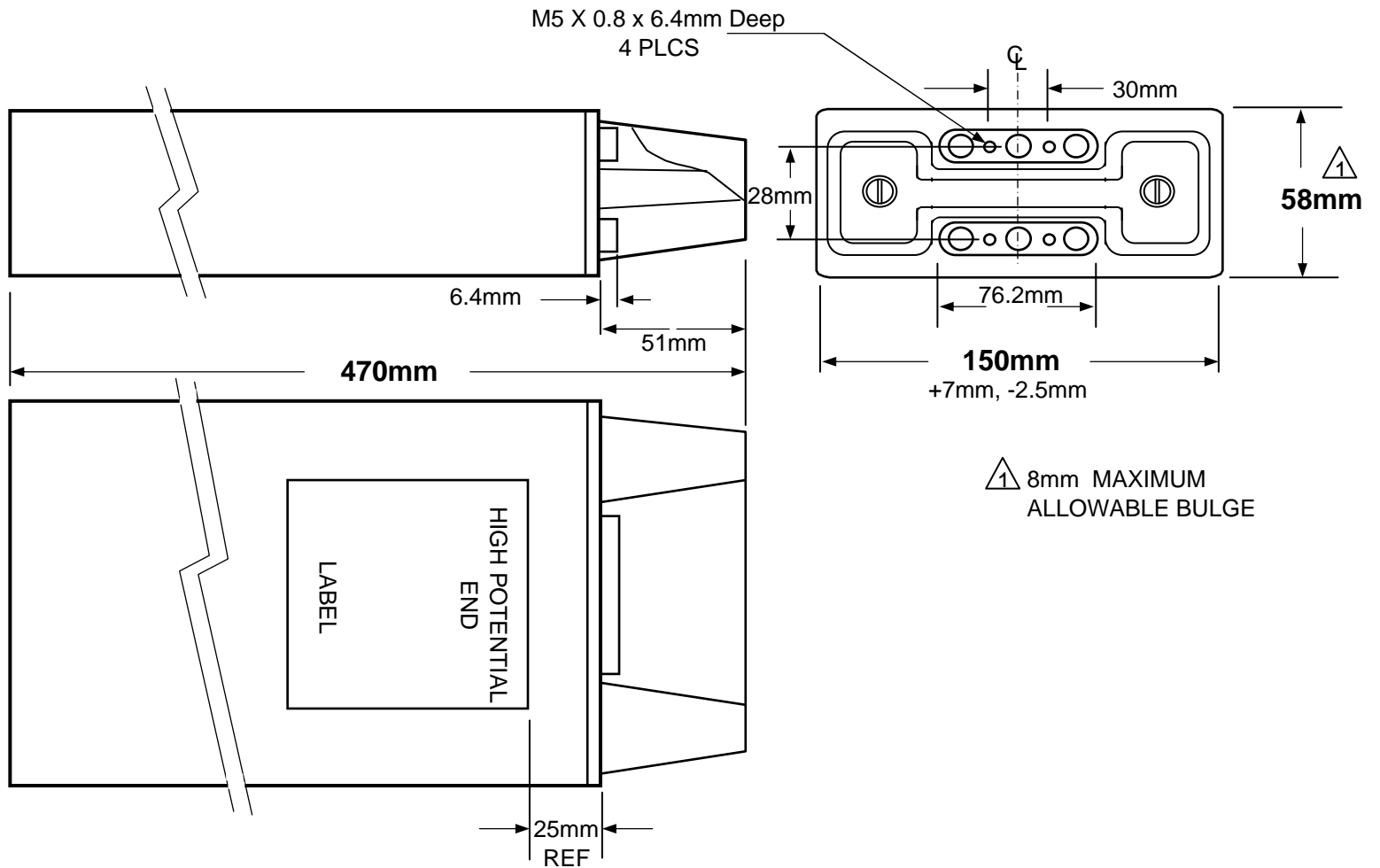
NOTE 2: BTDP or IPB IMPREGNANT (non-PCB)


* R.T. = Room temperature (23 ± 7 °C)

	SIZE A	FSCM 58307	DRAWING NUMBER 37328	REV LTR H
	SHEET 2			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING	CONTRACT NO.		 GENERAL ATOMICS ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
			APPROVALS				DATE	TITLE CAPACITOR PART No. 37328 0.16 µF ± 10 % , 40.0 kV
		TREATMENT	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV
		FINISH	CHECKED		A	58307	37328	H
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS	ENGR	RAC			
APPLICATION				DESIGN ACTIVITY				
				GOVERNMENT ACTIVITY	SCALE - NONE		DATE: 8/27/1992	SHEET 9 of 9



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.		 GENERAL ATOMICS ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO, CA 92123	
		DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING		APPROVALS			
		TREATMENT		DRAWN		TITLE	
		FINISH		CHECKED		CAPACITOR PART No. 37328M	
USED ON		SIMILAR TO		ENGR		0.16 µF ± 10 % , 40.0 kV	
APPLICATION		SPECIAL MARKING SYS		DESIGN ACTIVITY		DRAWING NUMBER	
				GOVERNMENT ACTIVITY		37328	
						REV	
						LTR	
						H	
						SCALE - NONE	
						DATE: 8/27/1992	
						SHEET 9B of 9	