

CAPACITOR SPECIFICATION

PART NUMBER: 37573T

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.05	μF	100%	120 Hz, R.T.*
TOLERANCE:	±5	%		
RATED VOLTAGE:	50	kV		
TEST VOLTAGE:	110	kV	100%	60 sec HIPOT
RATED ENERGY:	63	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	65	Amps		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	2.5E+10	charge / discharge cycles		
DC LIFE:	: 1.0E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.25	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	80	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC			
BUSHING:	2 ea 1.24" DIA TERMINAL			
ELECTRODE STUD:	M10 x 1.5 x 12mm Deep Thd			
DIMENSIONS:	4.0 x 6.0 x ~19.2	inches		
	102 x 152 x ~488	mm		
APPROX. WEIGHT:	21.3	lbs		
	9.7	kg		

NOTES:

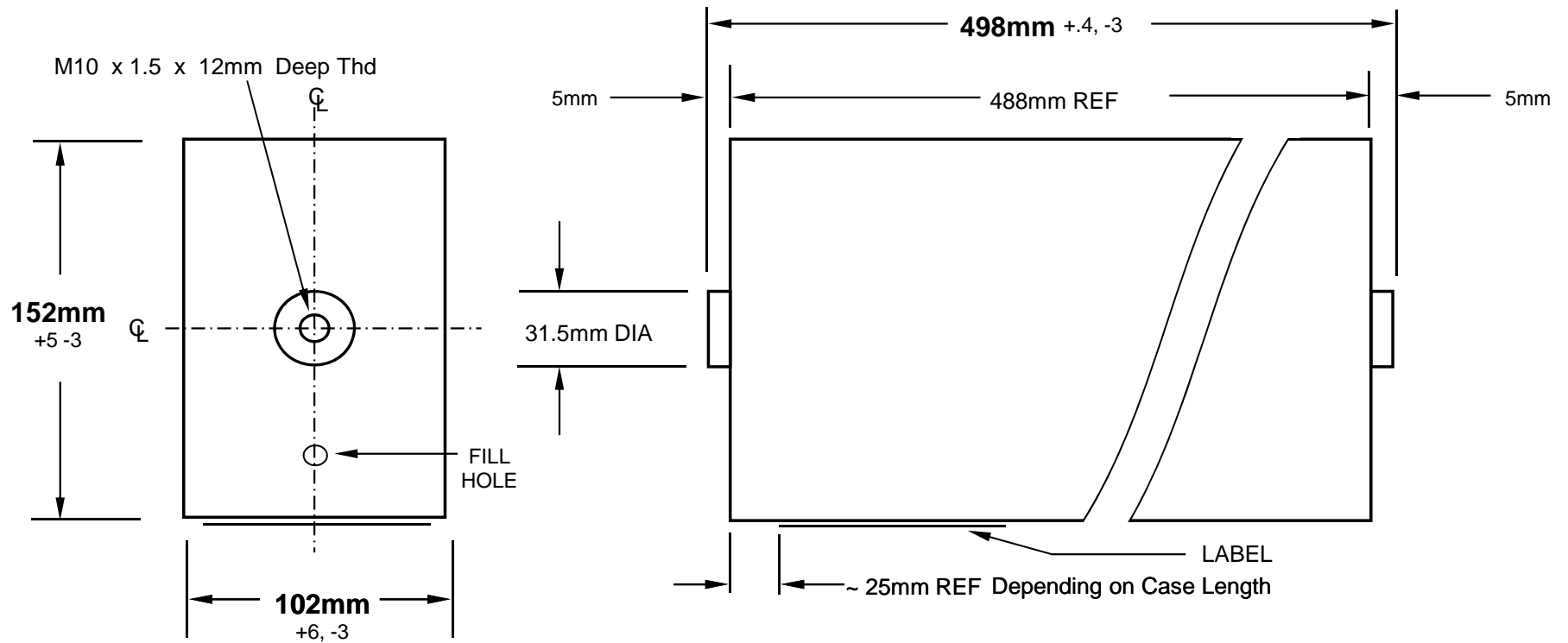
NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: BTDP IMPREGNANT (non-PCB)

NOTE 3: An "E" at the end of the Part No. signify an Engraved Label, for use under oil.

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	37573	X1
	SHEET 2B			



Optional Engraved Label For 37573TE

**GENERAL ATOMICS
ELECTRONIC SYSTEMS**


Part No. 37573TE

0.05 $\mu\text{F} \pm 10\%$

50.0 kV

X1- SN-X thru XXXX

No PCB's

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .X \pm .1 .XX \pm .03 .XXX \pm .010 ANGLES $\pm 2^\circ$ DO NOT SCALE DRAWING	CONTRACT NO.		 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
			APPROVALS				DATE	TITLE CAPACITOR PART No. 37573T 0.05 $\mu\text{F} \pm 5\%$, 50 kV
		TREATMENT	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED		A	58307	37573	X1
NEXT ASSY	USED ON	SIMILAR TO	ENGR RAC		DESIGN ACTIVITY		SCALE - NONE	
APPLICATION		SPECIAL MARKING SYS	GOVERNMENT ACTIVITY		DATE: 11/23/11		SHEET 9B of 9	