KEYSTONE ENGINEERING COMPANY

Part Number:		Size:	
D20252		29.80 OD x 51.93 Long	
Tank Type:	Mount Style:	Location:	PMD Device:
PMD	Bosses	Polar	Arms and Pressurant Line

Prolleant tank for GeM communications satellite made of 6AL-4V titanium alloy. PMD device consists of four communicating arms and a combination vent pressurant line along the centerline of the tank.

Applicable Documents

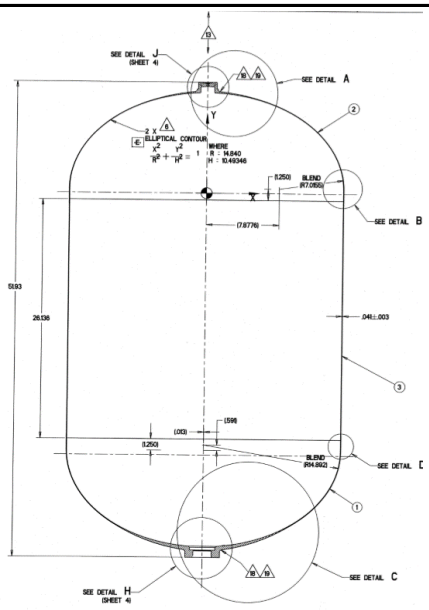
Design Schematic
D20252 L

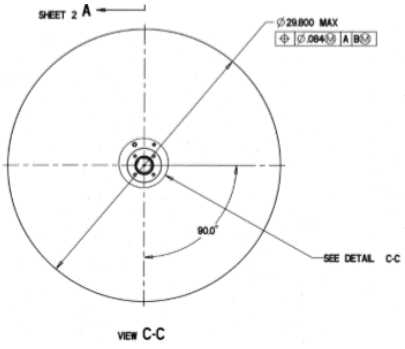
Tank Characteristics:		Tank Characteristics (Metric):	
Total Volume, in^3:	29,315	Total Volume, L:	480.39
Propellant Volume, in^3:		Propellant Volume, L:	
Max Design Weight, lbs:	50.5	Max Design Weight, kg:	22.9
Minimum Wall Thickness, in:	0.033	Minimum Wall Thickness, mm:	0.838
Operating Pressure, psid:	260	Operating Pressure, bar:	17.9
Proof Pressure, psid:	336	Proof Pressure, bar:	23.1
Collapse Proof, psid:	1.8	Collapse Proof, bar:	0.124
Burst Pressure, psid:	390	Burst Pressure, bar:	26.9

Notes:

Tube Type: Size:

Applications Testing:	Qualifications Testing:	
	Proof Pressure Test	Leakage Test
	Pressure Cycle Test	Acoustic Test
	Vibration Test	Flow Test
	Expulsion Test	Radiographic Inspection
	Penetrant Inspection	Burst Test
	Bubble Point Test	





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