Structure and Mechanics

Primary Structure
Space Frame Assembly 19 kg
CLL / Transfer Stage Adapter Ring 8 kg
Lander Legs 22 kg
Mounting Structure 21 kg Total = 70 kg

Structure Factor = 70 kg / 917 kg = .076

Secondary Structure
Mounting Structure Structure Factor
Propulsion 0.185
Power 0.156
GNC 0.108
DMS 0.145
Instrumentation 0.166
Communications 0.156
Tracking 0.050
Active Thermal 0.056
Landing Legs 0.216
Pyros 0.385

- The mounting structure masses are incorporated in the design mass statement.

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Note: 1. All Station Numbers Are in Inches
2. Station Numbers With an Asterisk (*) Indicate Outside Stations