

Honeywell Radiation Hardened Solutions Technology Comparisons

Technology Comparison	Radiation Tolerant	Radiation Hardened	Strategic Radiation Hardened
Total Dose	<300 Krad(Si)	300 Krad(Si) to 1 Mrad (Si)	> 1 Mrad(Si)
Dose Rate Upset	<10 ⁷ rads(Si)/s	10 ⁷ - 10 ¹⁰ rads(Si)/s	>10 ¹⁰ rads(Si)/s
Dose Rate Survivability	<10 ¹⁰ rads(Si)/s	10 ¹⁰ - 10 ¹² rads(Si)/s	>10 ¹² rads(Si)/s
Single Event Upset	>10 ⁻¹⁰ errors/bit-day*	10 ⁻¹⁰ - 10 ⁻¹¹ errors/bit-day*	<10 ⁻¹¹ errors/bit-day*
Single Event Latchup	Immune	Immune	Immune
Neutron	<10 ¹² MeV-cm ² /mg	10 ¹² -10 ¹⁴ MeV-cm ² /mg	>10 ¹⁴ MeV-cm ² /mg