

TABLE 1—EXAMPLES OF TRANSIENT SOURCES AND TYPICAL MAGNITUDES

	Voltage	Current	Rise time	Duration
Lightning	25 kV	20 kA	10 μ .sec	1 msec
Switching	600V	500A	50 μ .sec	500 msec
EMP	1 kV	10A	20 nsec	1 msec
ESD	15 kV	30A	1 to 5 nsec	100 nsec

Source: Littelfuse