

TABLE 2—LIGHTNING-STRIKE CHARACTERISTICS

Percent of strokes	90	50	10
Crest current (i)	2 to 8 kA	10 to 25 kA	40 to 300 kA
Rate of current rise (di/dt)	2 kA/ μ sec	8 kA/ μ sec	20 to 300 kA/ μ sec
Duration of single pulse	100 to 600 μ sec	0.5 to 3 msec	20 to 400 msec
Total stroke duration	10 to 100 msec	100 to 300 msec	0.5 to 1.5 sec
Number of pulses per stroke	1 to 2	2 to 4	5 to 34

Source: Ezell, TF, Survey of Lightning Characteristics, SC-TM-67-630 (August 1976).