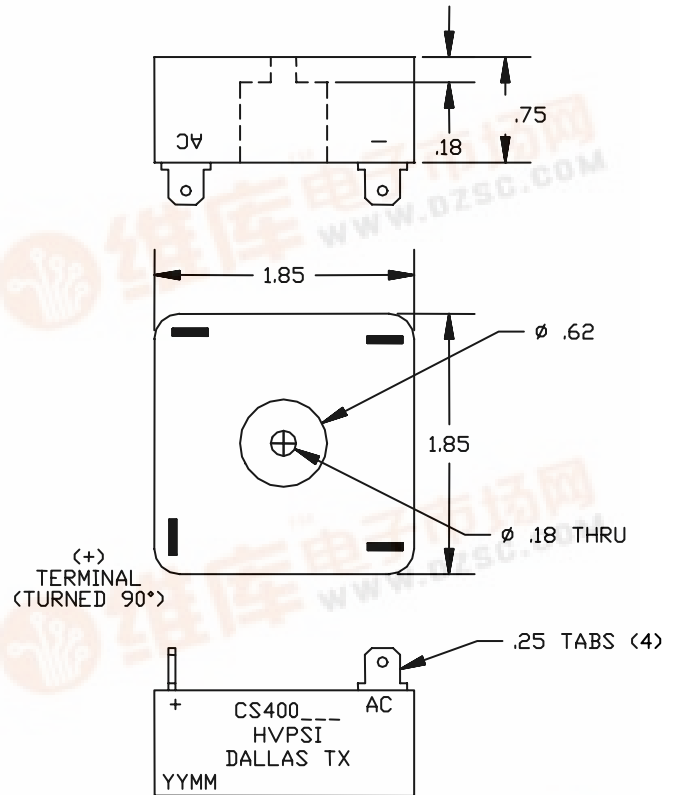
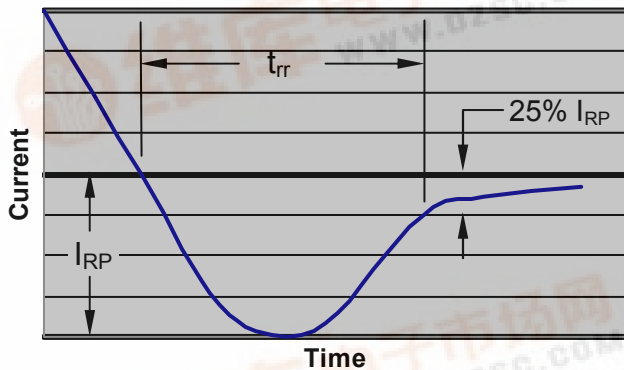




FEATURES

- Ratings to 10 kV
- Controlled Avalanche Junctions
- High Surge Capability
- Case Material Rated UL94V-1
- Epoxy Rated UL94V-0

t_{rr} Definition



Maximum Ratings & Characteristics

		STANDARD RECOVERY CS400S__					FAST RECOVERY CS400F__					
ELECTRICAL RATINGS, T = 25°C	SYM.	S2	S4	S6	S8	S10	F2	F4	F6	F8	F10	
Repetitive Peak Reverse Voltage, and Continuous Reverse Voltage	V_{RRM}, V_R	2	4	6	8	10	2	4	6	8	10	kV
Average Forward Current	I_o	1500	650	650	500	500	650	450	330	300	250	mA
Peak Surge Current, Non-Repetitive, 1/2 cycle, 60 Hz	I_{FSM}	20					15					A
Storage and Operating Temperatures	T_{STG}, T_J	- 55 to 150					- 55 to 150					°C

ELECTRICAL CHARACTERISTICS, T = 25°C

Maximum Instantaneous Forward Voltage, $I_f = 0.100$ Amp	V_{FM}	3.0	9.0	9.0	15.0	15.0	7.0	10.0	16.0	16.0	20.0	V
Maximum Reverse Current at Rated V_R	I_{RM}	1.0					1.0					μA
Maximum Reverse Recovery Time $I_F = 1$ A, $di/dt = -20$ A/Sec, 75% Recovery	t_{rr}	2.5 Typ.					0.300					μS