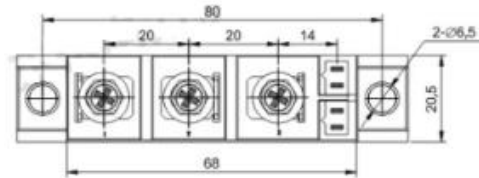
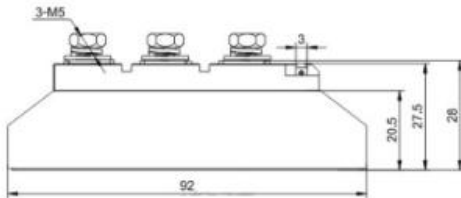
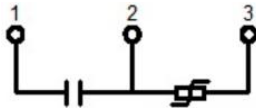


**Varistor Capacitor Modules**

**$I_{pk} = 6.5kA$**

**$V_{AC} = 460V$**



**Maximum Ratings**

Symbol	Item	Conditions	Ratings	Unit	
$V_{AC}$	RMS voltage		460	V	
$V_{DC}$	DC voltage		615	V	
$W_{TM}$	Energy	10/1000uS	260	J	
$I_{PK}$	Peak current	8/20uS	6.5	kA	
V	Clamping voltage	8/20uS	$I_P=10A$	1150	V
			$I_P=100A$	1270	
			$I_P=1000A$	1550	
$V_C$	Clamping voltage	8/20uS $I_P=190A$	750	V	
$T_A$		Operating Ambient Temperature Range	-55 to +85	°C	
$T_{STG}$		Storage Temperature Range	-55 to +125	°C	
$M_d$	Mounting torque	Mounting(M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N. m(kgf. cm)
		Terminal(M5)	Recommended Value 1.5-2.5 (15-25)	2.7 (28)	

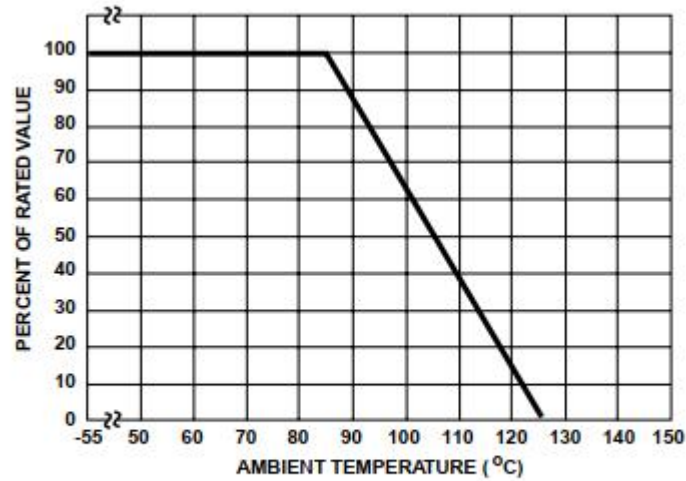
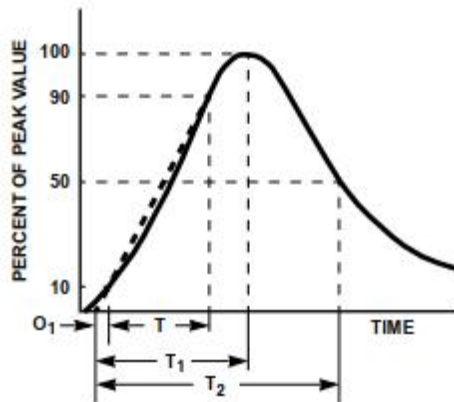


FIGURE 1. CURRENT, ENERGY AND POWER DERATING CURVE



$O_1$  = Virtual Origin of Wave  
 $T$  = Time From 10% to 90% of Peak  
 $T_1$  = Virtual Front time =  $1.25 \cdot t$   
 $T_2$  = Virtual Time to Half Value (Impulse Duration)  
 Example: For an 8/20 $\mu$ s Current Waveform:  
 $8\mu$ s =  $T_1$  = Virtual Front Time  
 $20\mu$ s =  $T_2$  = Virtual Time to Half Value

FIGURE 2. PEAK PULSE CURRENT TEST WAVEFORM