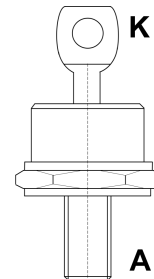


Feature

- Stud Cathode normal
- Zener diode
- Low leakage current
- Fast response speed
- Glass passivated junction
- Excellent clamping capability
- Withstand 5000w peak pulse (10/1000μs)



A  K



Applications

- Sensitive electronic device protection
- Protection of I/O Interfaces, V_{CC} bus
- Protection of vulnerable circuits used in Telecom
- Protection computer, industrial and consumer

Max Rating($T_A=25^{\circ}\text{C}$, unless otherwise noted)

Symbol	Parameter		Value	Unit
P_{PPM}	Peak Pulse Power Dissipation by 10/1000μs waveform		5000	W
$P_{M(AV)}$	Steady state Power Dissipation	$T_A=25^{\circ}\text{C}$	100	W
		$T_A=65^{\circ}\text{C}$	75	W
V_F	$I_F \leq 10\text{A}$, 300us square wave pulse		1.5(max)	V
T_J, T_{STG}	Operating and Storage Temperature Ranges		-55 to 175	$^{\circ}\text{C}$
Weight	Excluding mounting kit(approx)		16	g
Torque	Screw standard:M6		2.9(max)	N·m

Electrical Characteristics($T_A=25^{\circ}\text{C}$, unless otherwise noted)

Symbol	Parameter	Conditions	Value			Unit
			Min	Type	Max	
V_{RWM}	Reverse Stand off Voltage			35		V
V_{BR}	Breakdown Voltage	@ $I_T=5\text{mA}$, (note 2)	37		39	V
I_T	Test Current			5		mA
I_{PP}	Maximum Peak Pulse Current		100			A

V_C	Maximum Clamping Voltage	@ $I_{PP}=100A$,Continue 20ms		50		V
I_R	Maximum Reverse Leakage Current	@ $V_{RWM}=35V$			10	μA

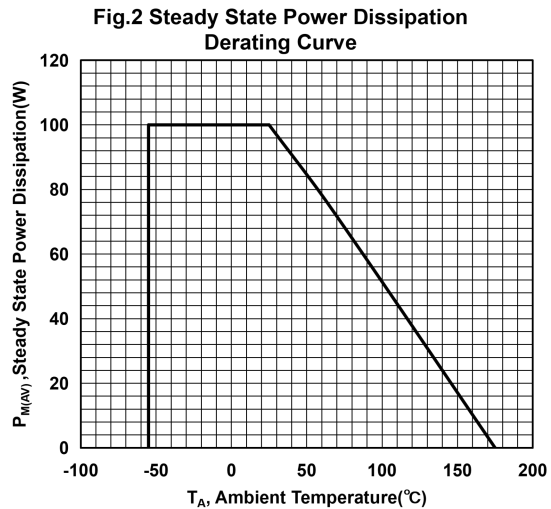
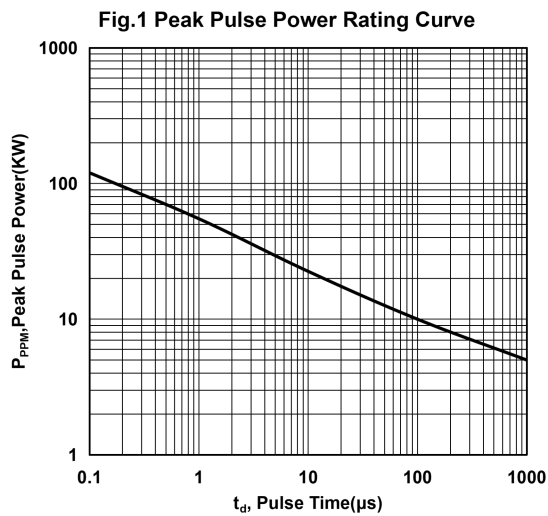
Note:

2.Pulse $\leq 100\mu s$,duty cycle ≤ 0.001

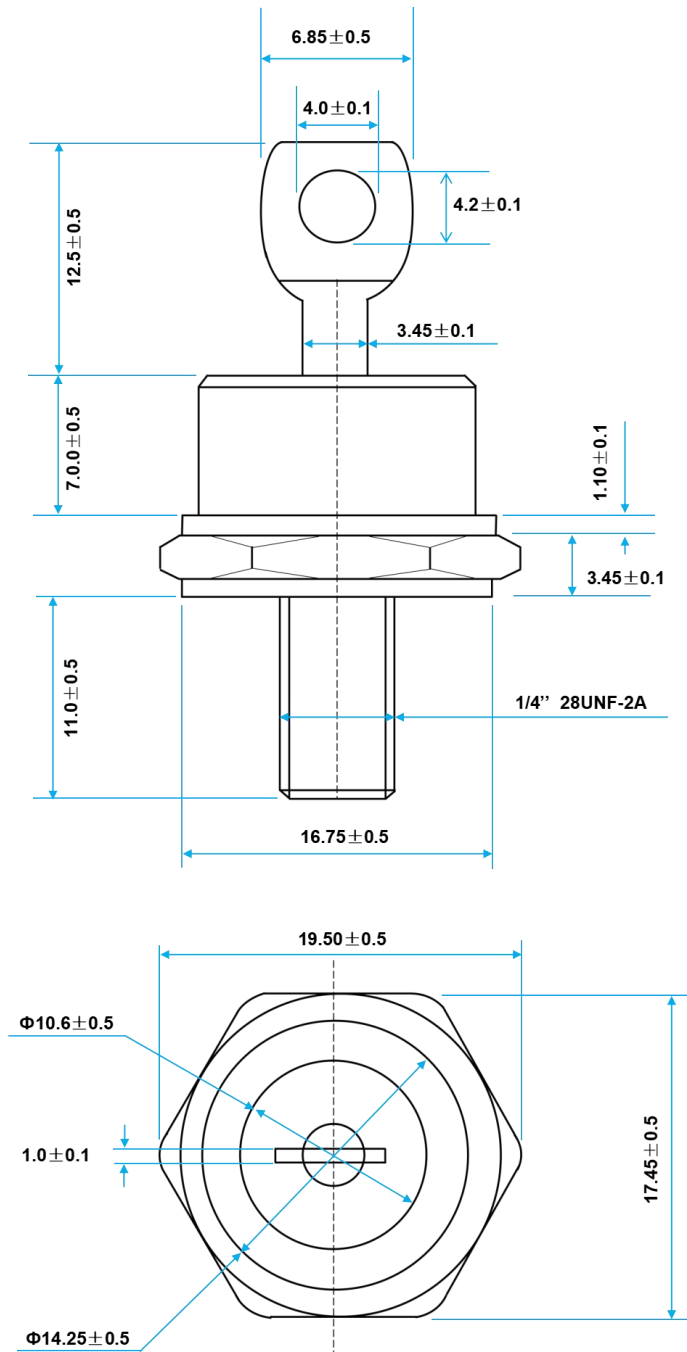
Thermal Characteristics

Symbol	Parameter	Conditions	Value			Unit
			Min	Typ	Max	
$R_{th(j-c)}$	Thermal Resistance Junction to Case	DO-5	-	1.1	-	$^{\circ}C/W$

Electrical characteristics(Curves)



Package Dimension(DO-5)



For metric devices: M6 x 1

Unit:mm

DO-5