

SMTTC1-500H

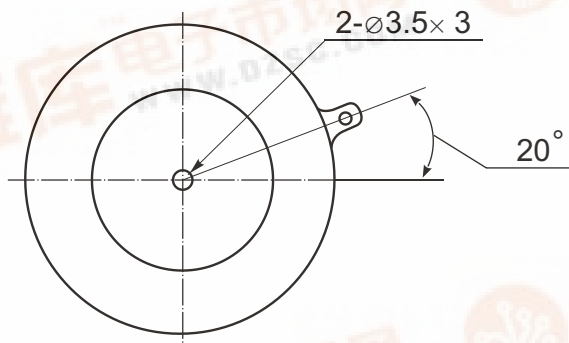


High Frequency Thyristor

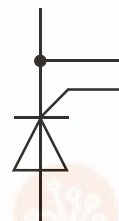
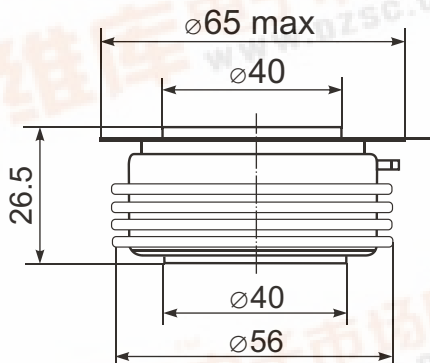


Type	V_{RSM}	V_{RRM} , V_{DRM}
SMTTC1-500H-8	900	800
SMTTC1-500H-10	1100	1000
SMTTC1-500H-12	1300	1200
SMTTC1-500H-14	1500	1400
SMTTC1-500H-16	1700	1600

Type	I_{TAVM} $T_c=55^\circ\text{C}$	I_{TSM}	$(di/dt)_{cr}$	$(dv/dt)_{cr}$	V_{TM}	I_{TM}	V_{TO}	r_T	V_{GT}	I_{GT}	T_{VJM}	R_{thJC}	F
	A	kA	A/ μs	V/ μs	V	kA	V	m Ω	V	mA	$^\circ\text{C}$	K/W	kN
SMTTC1-500H	500	4.8	-	500-1000	2.7	1.6	1.20	0.55	3.0	250	115	0.035	20



Type	t_{q1} ($T_c=105^\circ\text{C}$)	I_T/f
	μs	A/KHz
SMTTC1-500H-xx-RGD6	10	300/10
SMTTC1-500H-xx-PGD6	12	
SMTTC1-500H-xx-OGD6	16	



Features:

- Hermetic metal case with ceramic insulator
- Capsule packages for double sided cooling
- High frequency performance (2.5-10 KHz)
- International standard case
- Low consumption switch

Typical Applications:

- Inverter
- Welding machine
- Inductive heating
- Uninterruptable power supplies