

Fast thyristors

Type	V_{DRM} V_{RRM} V	I_{TRMS} A	I_{TSM} 25°C, 10 ms A	$\int I^2 dt$ 25°C, 10 ms A²s	$(dw/dt)_{cr}$ V/μs	$(di/dt)_{cr}$ A/μs	$t_{q\max}$ μs	$T_{j\max}$ °C	R_{thJC} K/W	Fig.
BStP61 13	200	1 730	16 000	1 300 000	200 S9: 500	200	f: 15 g: 18	140	0,03	1
BStP61 20	300									
BStP61 26	400									
BStP61 33	500									
BStP64 60	900	1 300	10 750	580 000	500	200	k: 25 l: 30	125	0,04	2
BStP64 80	1 200									
BStP64 86	1 300									
BStQ63120	1 800	1 300	9 500	450 000	500 S10: 1000	200	n: 40 p: 50 q: 60	125	0,035	2
BStQ63133	2 000									
BStQ64 80	1 200	1 500	11 700	685 000	500 S10: 1000	400	k: 25	125	0,040	
BStQ64 86	1 300									
BStQ64 93	1 400									
BStR63120	1 800	1 700	20 500	2 100 000	500 S10: 1000	200	n: 40 p: 50 q: 60	120	0,020	3
BStR63133	2 000									
BStR63H186	2 800	1 700	15 900	1 260 000	1000	150	t: 120 u: 140	120	0,022	3
BStR63H200	3 000									

Asymmetric thyristors

BStR60110	1600/20	2 000	20 000	2 000 000	1000	800	k: 25 l: 30	125	0,02	3
BStR60120	1800/20									
BStR60133	2000/20									
BStR62166	2500/20	2 200	20 000	2 000 000	1000	700	q: 55	125	0,02	3
BStR62186	2800/20									

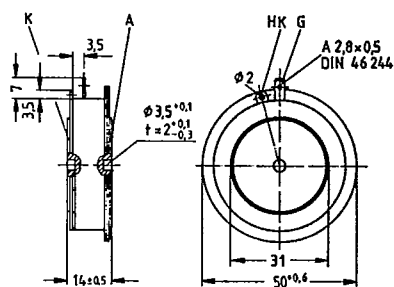


Fig. 1

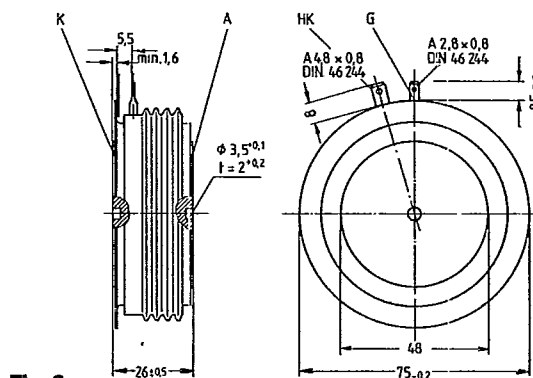


Fig. 3

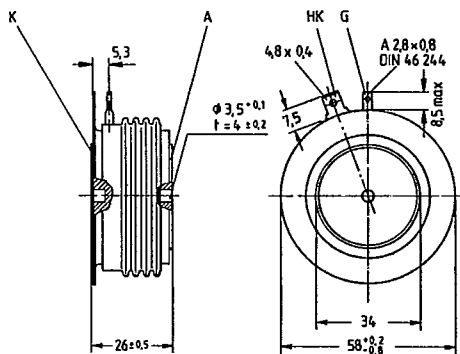


Fig. 2

Dimensions in mm