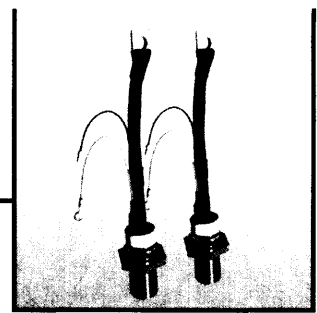


phase control thyristors studs



Stud Devices

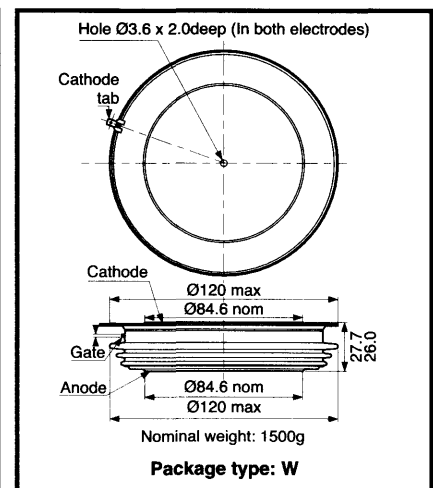
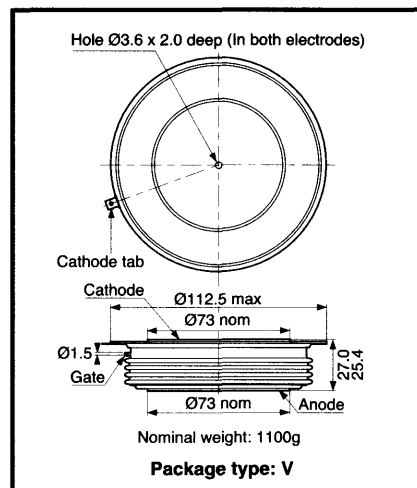
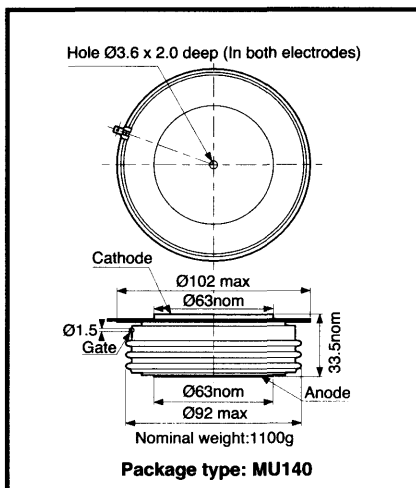
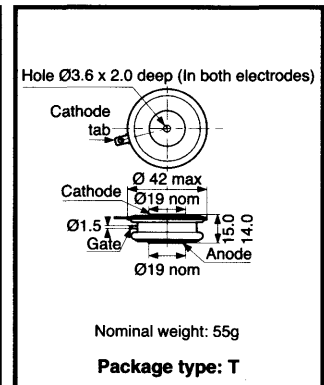
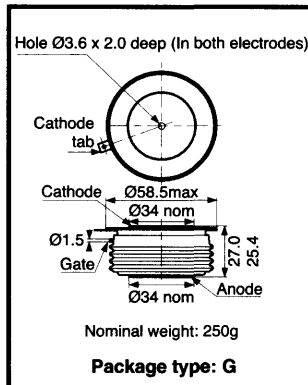
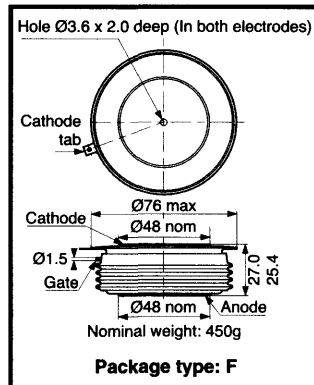
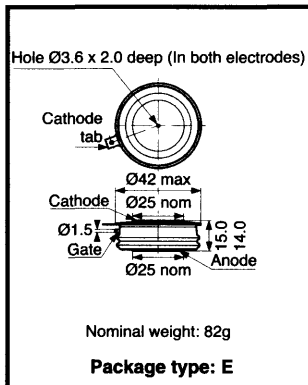
Part and Ordering Number	V_{DRM}/V_{RRM}	$I_{T(AV)}$ @ $T_c = 60^\circ\text{C}$	$I_{T(RMS)}$ @ $T_c = 60^\circ\text{C}$	I_{TSM} @ T_{vj} $V_R = 0$	I^2t @ T_{vj}	$V_{T(TO)}$ @ T_{vj}	r_T @ T_{vj}	$R_{th(j-c)}$	$R_{th(c-hs)}$	dV/dt
** = $V_{DRM}/100$	(V)	(A)	(A)	(kA)	($\text{A}^2\text{s}\times 10^3$)	(V)	(m Ω)	($^\circ\text{C}/\text{W}$)	($^\circ\text{C}/\text{W}$)	(V/ μs)
TK36**M or TK36**K	800-1200	323	507	5.5	151.25	0.88	0.7	0.13	0.06	200
TK18**M or TK18**K	800-1400	152	239	2	20	0.9	2	0.24	0.08	200
TK12**M or TK12**K	1400-2000	104	163	1.4	9.8	1.4	4	0.24	0.08	200
TK26**M or TK26**K	1400-2000	235	369	4	80	1.25	1.33	0.13	0.06	200

Notes:

1. $T_{vj} = 125^\circ\text{C}$ in all cases unless stated otherwise.
2. M denotes metric thread on stud.
3. K denotes imperial thread on stud.

Package Outlines

All dimensions shown in mm unless stated otherwise.



Notes:

1. Always check that the loading and the type of clamp to be used is suitable for the desired device. Incorrect use of clamps will lead to damage of the device.
2. Clamp outlines are given on pages 41-43.
3. Clamping recommendations are given on pages 44-45.

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Part Number	Non-rep. dl/dt (A/ μ s)	V _{GT} (V)	I _{GT} (mA)	Package	F _m ($\pm 10\%$) (Nm)
TK36	800	3	100	TO93	35
TK18	800	3	125	TO94	15
TK12	800	3	125	TO94	15
TK26	800	3	150	TO93	35

