

RECTIFYING DIODES - DISC TYPE

Type	$I_{F(AV)} / T_c$ (A) / (°C)	I_{FSM} 10 ms (kA)	I^2t 10 ms (kA ² s)	U_{RRM} $T_j = T_{jmax}$ (V)	I_{RRM} $T_j = T_{jmax}$ (V)	$U_{F(TO)}$ $T_j = T_{jmax}$ (V)	r_F $T_j = T_{jmax}$ (mΩ)	U_{FM} / I_{FM} $T_j = 25\text{ °C}$ (V) / (A)	R_{thjc} DC (°C/W)	R_{thcr} DC (°C/W)	$T_{jmin} - T_{jmax}$ (°C)	Clamping force	Weight (g)	Fig.
D63-300	300/140	5	125	400-1200	50	0,95	0,85	1,70/800	0,095	0,02	-40...+190	4,5-6,2 kN	60	13
D63-300	300/125	5	125	1400-3200	50	0,95	0,85	1,70/800	0,095	0,02	-40...+175	4,5-6,2 kN	60	13
D63-400	400/125	5,5	150	400-1200	50	0,85	0,72	1,50/800	0,095	0,02	-40...+190	4,5-6,2 kN	60	13
D63-400	400/110	5,5	150	1400-3200	50	0,85	0,72	1,50/800	0,095	0,02	-40...+175	4,5-6,2 kN	60	13
D63-600	600/95	6,4	204	400-1200	50	0,68	0,57	1,20/800	0,095	0,02	-40...+190	4,5-6,2 kN	60	13
D73-500	500/115	6,4	204	2200-4400	50	0,8	0,61	1,80/1500	0,07	0,02	-40...+175	9,0-11,0 kN	280	15
D73-800	800/95	7,7	300	400-1200	50	0,7	0,426	1,60/1500	0,07	0,02	-40...+190	9,0-11,0 kN	280	15
D73-800	800/80	7,7	300	1400-3200	50	0,7	0,426	1,60/1500	0,07	0,02	-40...+175	9,0-11,0 kN	280	15
D75-1100	1100/75	9	405	1400-2400	30	0,763	0,48	1,38/1500	0,04	0,02	-40...+175	9,0-11,0 kN	85	14
D75-1400	1400/75	11	605	400-1200	30	0,76	0,308	1,20/1500	0,04	0,02	-40...+190	9,0-11,0 kN	85	14
D83-1000	1000/80	11,4	650	400-4400	50	0,87	0,73	1,70/1500	0,032	0,02	-40...+175	12,0-14,0 kN	280	15
D83-1200	1200/100	14,8	1090	1600-3200	50	0,82	0,33	1,35/1500	0,032	0,02	-40...+175	12,0-14,0 kN	280	15
D83-1400	1400/85	15,8	1250	400-2000	50	0,78	0,3	1,25/1500	0,032	0,02	-40...+175	12,0-14,0 kN	280	15
D83-1600	1600/90	16,7	1400	400-1200	50	0,77	0,191	1,10/1500	0,032	0,02	-40...+175	12,0-14,0 kN	280	15
D95-1600	1600/95	20	2000	3200-4400	100	0,77	0,375	1,30/1500	0,02	0,01	-40...+175	22,5-25,0 kN	480	16
D95-1800	1800/130	25	3125	400-2000	100	0,81	0,162	1,20/1500	0,02	0,01	-40...+190	22,5-25,0 kN	480	16
D95-1800	1800/115	25	3125	2200-3200	100	0,81	0,162	1,20/1500	0,02	0,01	-40...+175	22,5-25,0 kN	480	16
D95-2200	2200/110	28	3920	400-2000	100	0,8	0,154	1,10/1500	0,02	0,01	-40...+190	22,5-25,0 kN	480	16
D95-2200	2200/95	28	3920	2200-3000	100	0,8	0,154	1,10/1500	0,02	0,01	-40...+175	22,5-25,0 kN	480	16
D95-2500	2500/85	31	4800	1600-2400	100	0,62	0,164	1,05/1500	0,02	0,01	-40...+175	22,5-25,0 kN	480	16
D95-3000	3000/105	35	6125	200-1200	100	0,7	0,082	1,00/1500	0,02	0,01	-40...+190	22,5-25,0 kN	480	16
D95T-3000	3000/60	31	4800	1400-2200	100	0,612	0,164	1,02/1500	0,02	0,01	-40...+180	22,5-25,0 kN	480	16
DB3-3500	3500/85	46	10580	5000-5500	100	0,71	0,17	1,39/4000*	0,012	0,002	-40...+170	35,0- 45,0 kN	1400	17
DB3-4000	4000/85	50	12250	3800-4500	100	0,8	0,118	1,27/4000*	0,012	0,002	-40...+175	35,0-45,0 kN	1400	17
DB3-5000	5000/85	62	19200	2000-3200	100	0,706	0,071	0,98/4000*	0,012	0,002	-40...+175	35,0-45,0 kN	1400	17
DB5-4000	4000/85	50	12500	3800-4500	100	0,8	0,118	1,27/4000*	0,010	0,002	-40...+175	35,0-45,0 kN	1400	18
DB5-5500	5500/85	62	19200	2000-3200	100	0,706	0,071	0,98/4000*	0,010	0,002	-40...+175	35,0-45,0 kN	1400	18
DB5-7200	7200/85	75	28000	1200-1600	100	0,704	0,048	0,90/4000*	0,010	0,002	-40...+190	35,0-45,0 kN	1130	18
DB5-8000	8000/85	77	29600	1000-1200	100	0,67	0,041	0,85/4000*	0,010	0,002	-40...+190	35,0-45,0 kN	1130	18

Discrete Diodes

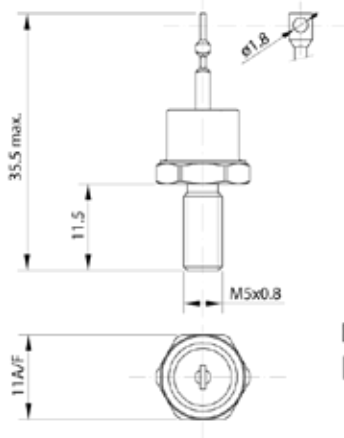


Fig. 1
D22

Diodes D22 and D42 are produced in accordance with the figure (the type of external lead is not marked)

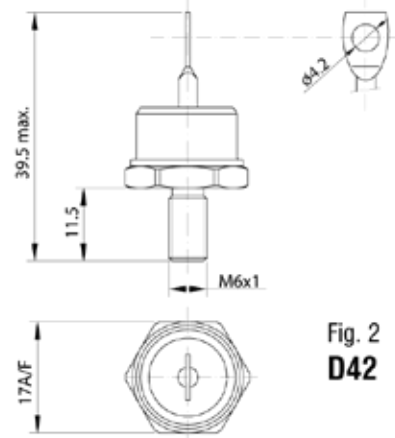


Fig. 2
D42

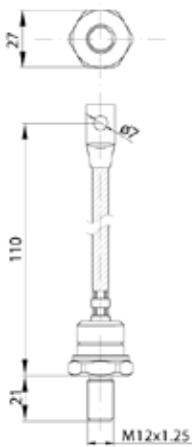


Fig. 3
D51
DAA

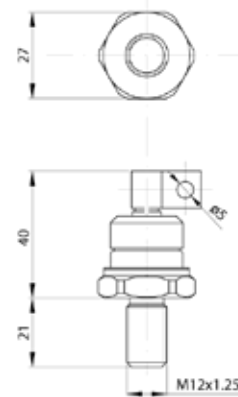


Fig. 4
D51
DA1

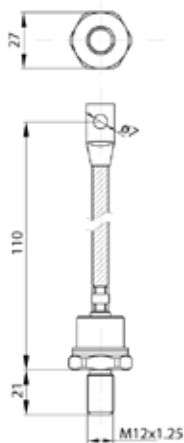


Fig. 5
D52, R52
DAA

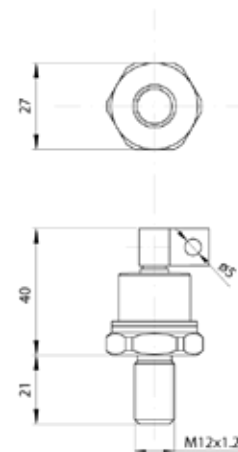


Fig. 6
D52
DA1

Discrete Diodes

Discrete Diodes

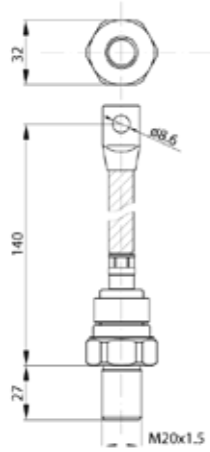


Fig. 7
D61, R61
ABA

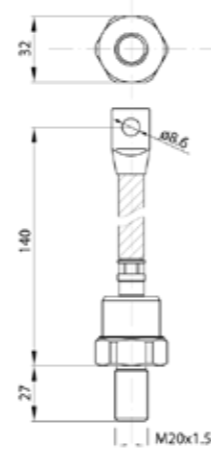


Fig. 8
D62
ABA

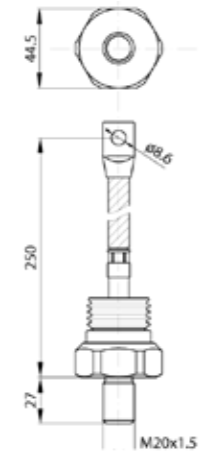


Fig. 9
D71
KCA

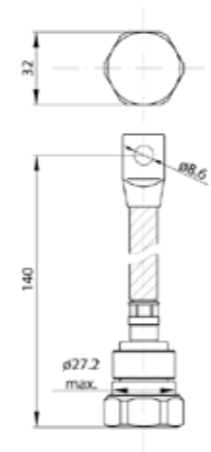


Fig. 10
D64
1BA

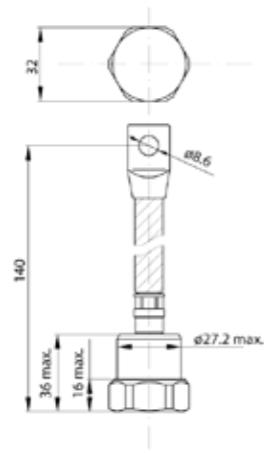


Fig. 11
D66
1BA

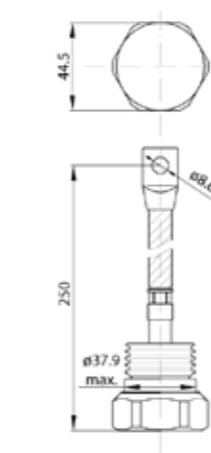


Fig. 12
D74
1CA

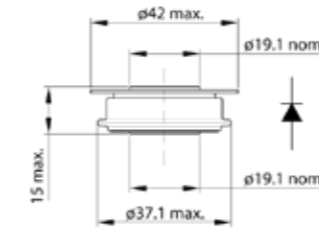


Fig. 13
D63, R63

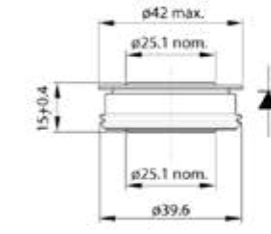
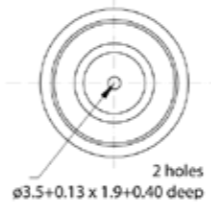


Fig. 14
D75, R75

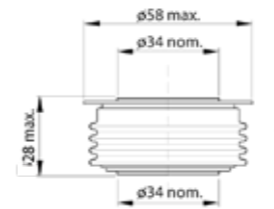
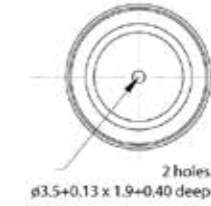


Fig. 15
D73, D83, R73, R83

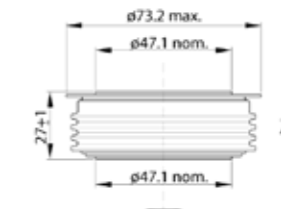
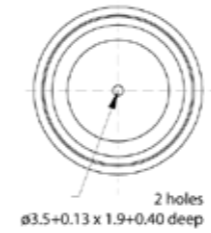


Fig. 16
D95, D95T, R95

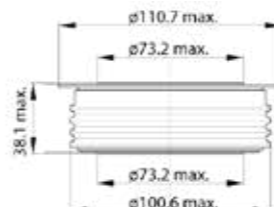
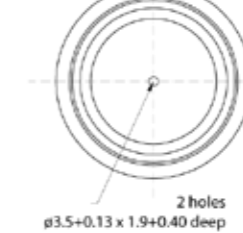


Fig. 17
DB3

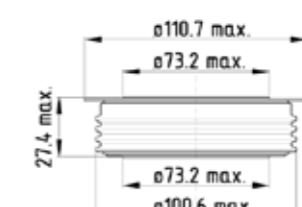
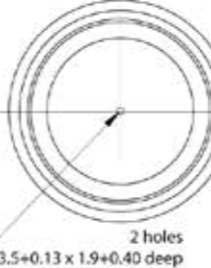


Fig. 18
DB5

