Low Power Diodes

Rectifier diodes

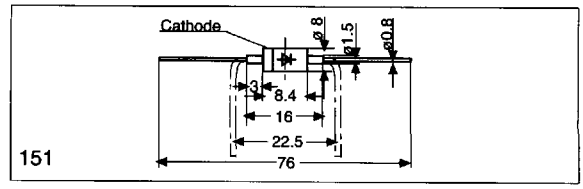
Type	V_{RRM} V	I_{FSM} A 10 ms, $t_{vj} = t_{vj\,max}$	I_{FAVM} A	t_{rr} °C/W	$t_{vj\,max}$ °C	outline
D 6/	1200...1600	100	6	-	150	151

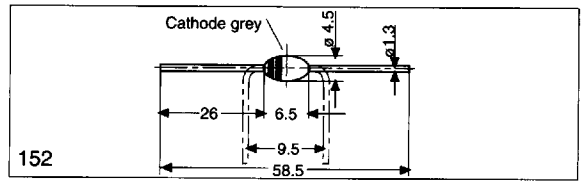
Controlled avalanche diodes

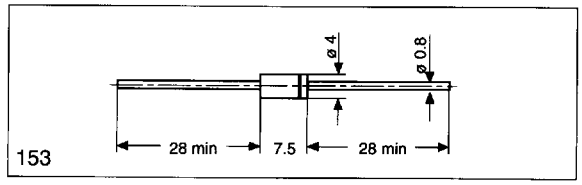
Type	V_{RRM} V	V_{BR} A 10 ms, $t_{vj} = t_{vj\,max}$	I_{FSM} A t_A = 45°C	I_{FAVM} A	$t_{vj\,max}$ °C	outline
DA 3 /	1000	≤ 1600	80	3	175	152
DA 6 /	1400	≥ 1550	100	1,38	150	151
	1600	≥ 1750				

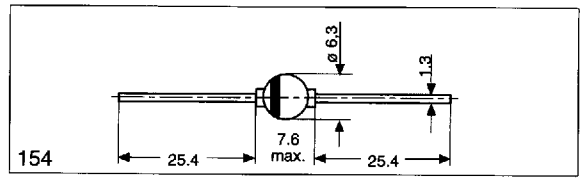
Fast recovery rectifier diodes

Type	V_{RRM} V	I_{FSM} A 10 ms, $t_{vj} = t_{vj\,max}$	I_{FAVM} A t_A = 25°C	t_{rr} µs	$t_{vj\,max}$ °C	outline
BY 360-06	600	45	1,5	0,4	125	153
ERC 06-15	1500	50	1,5	4	150	
■ D 3 S	1200, 1300	110	3	1	175	154









Press-fit Diodes

Type	V_{RRM} V	I_{FRMSM} A	I_{FSM} A 10ms, $t_{vj\,max}$	$\int i^2dt$ A^2s 10ms, $t_{vj\,max}$	I_{FAVM}/t_C A/°C	$V_{(TO)}$ V t_{vj} = t_{vjmax}	r_T mΩ t_{vj} = $t_{vj\,max}$	R_{thJC} °C/W 180° el sin	$t_{vj\,max}$ °C	outline
■ BYY 57/58	75, 150, 300	55	300	450	35/142	0,725	5,56	0,94	175	155
■ BYY 57/58-E										
■ BYY 57/58	400, 500, 700	55	280	390	35/142	0,735	6,14	0,94	175	155
■ BYY 57/58-E										

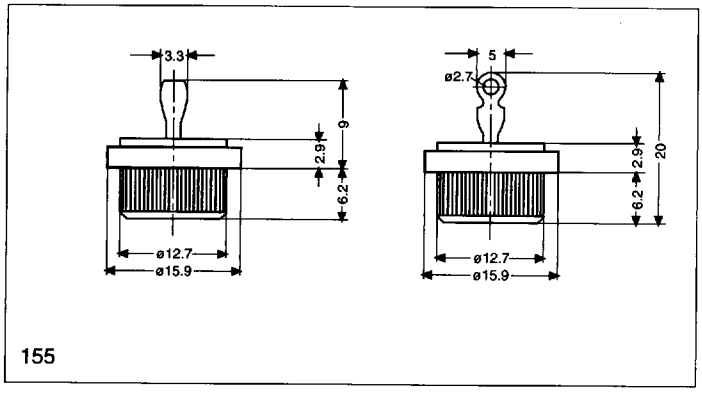
■ Not for new design

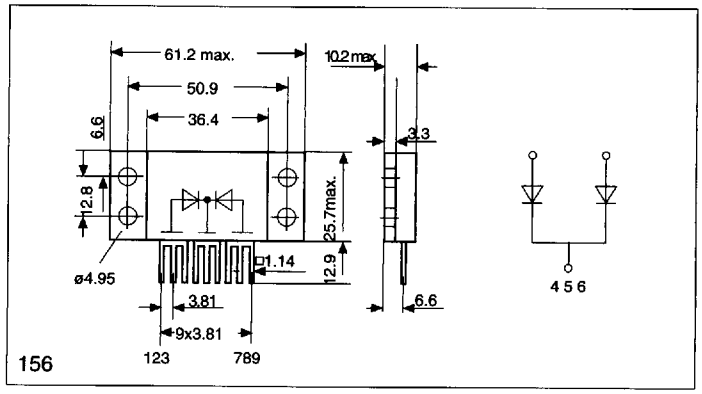
Anode on case: BYY 57, E 14, E44, E46

Cathode on case: BYY 58, E13, E43, E45

Schottky Rectifier Modules

Type	V_{RRM} V	I_{FAVM} A t_A = 25°C	I_{FSM} A 10ms	$\int i^2dt$ A^2s	V_F V $i_F=I_{FAVM}$ t_{vj} = 25°C	I_R mA $V_R=V_{RRM}$, t_{vj} = 25°C	R_{thJC} °C/W	R_{thJCH} °C/W	$t_{vj\,max}$ °C	outline
BYS 98-50	50	60	1000	1564	0,6	10	0,6	0,10	175	156





3403297 0002189 785