

GENERAL PURPOSE RECTIFIERS/DIODES



TCE Type	Material	Application	Maximum Ratings								Outline No.
			Peak Reverse Current		Forward Current		Forward Voltage Drop, DC	Power Devices		High Speed Devices	
			Repetitive	Non-Repet.	Average	Peak Surge		Reverse Current	Operating Temp.	Maximum Reverse Recovery Time	
			V_{RRM} V	V_{RSM} V	I_G A	I_{FSM} A	V_F V	I_R μ A	$^{\circ}$ C	t_{rr} μ S	
SK3017B	Si	Standard	600	.....	1	30	1.1	10	-40/+150	.....	R-034
SK3031A	Si	Standard	400	.....	1	30	1.1	10	-40/+150	.....	R-034
SK3032A	Si	Standard	800	1000	1	35	1	10	.....	.....	R-002
SK3033A	Si	Standard	1000	1200	1	45	1	5	-40/+165	.....	R-034
SK3043B	Si	Fast-Recovery	1000	.....	1	50	1.4	1	-55/+150	0.25	R-004
SK3051	Si	Standard	1000	.....	3	150	1	5	-65/+175	.....	R-020
SK3051P10	Si	Standard	1000	.....	3	150	1	5	-65/+175	.....	R-020
SK3080	Si	Standard	1000	1200	1	35	1.1	10	-65/+175	.....	R-002
SK3081	Si	Standard	1000	1200	2.5	30	1.2	5	-65/+170	.....	R-002
SK3081P100	Si	Standard	1000	1200	2.5	30	1.2	5	-65/+170	.....	R-002
SK3087	Ge	Standard	75	.....	0.05	.15	.....	20@VR-10V	-55/+70	.....	R-003
SK3088	Ge	Standard	30	.....	0.05	.....	.....	200	.....	.....	R-003
SK3089	Si	Standard	5	.....	.03	.....	.....	25	-65/+100	.....	R-003
SK3090	Ge	Standard	100	.....	0.2	5	0.39	100	.....	.....	R-003
SK3100	Si	Fast-Recovery	75	.....	.15	.45	1.0	.025	-65/+200	400	R-001
SK3100P10	Si	Fast-Recovery	75	.....	.15	.45	1.0	.025	-65/+200	400	R-001
SK3125A	Si	Fast-Recovery	1500	.....	1.5	100	1.2	10	.....	1	R-033
SK3130	Si	Fast-Recovery	1500	.....	1	50	1.5	10	.....	.....	R-025
SK3175A	Si	Fast-Recovery	800	.....	1.5	50	.....	5	-65/+175	0.5	R-004
SK3311	Si	Standard	200	.....	1	30	1.1	5.0	-65/+175	.....	R-002
SK3312	Si	Standard	400	.....	1	30	1.1	5.0	-65/+175	.....	R-002
SK3313	Si	Standard	600	.....	1	30	1.1	5.0	-65/+175	.....	R-002
SK3318A	Si	Fast-Recovery	600	.....	1.5	50	1.3	5.0	-65/+175	.25	R-004
SK3500	Si	Standard	600	.....	12	250	1.2	.....	.....	.....	R-013*
SK3501	Si	Standard	600	.....	40	400	1.3	1000	-65/+190	.....	R-017*
SK3517	Si	Standard	600	800	12	240	1.35	1000	-65/+200	.....	R-014**
SK3518	Si	Standard	600	.....	40	500	1.47	.....	.....	.....	R-018**
SK3584	Si	Standard	600	800	12	240	1.35	1000	-65/+200	.....	R-013*
SK3585	Si	Standard	600	.....	15	300	1.47	.....	.....	.....	R-017*
SK3586A	Si	Fast-Recovery	200	250	12	200	1.5	25	-65/+150	0.2	R-013*
SK3587A	Si	Fast-Recovery	600	725	12	150	1.4	.....	-65/+150	0.2	R-013*
SK3588A	Si	Fast-Recovery	200	275	70	700	1.85	.....	.....	0.2	R-017*
SK3589A	Si	Fast-Recovery	600	725	70	700	1.85	.....	-40/+125	0.2	R-017*
SK3599	Si	Standard	400	.....	6	250	1.2	.....	.....	.....	R-013*
SK3600	Si	Standard	200	.....	6	240	1.2	.....	.....	.....	R-013*
SK3601	Si	Standard	50	.....	6	250	1.2	.....	.....	.....	R-013*
SK3602	Si	Standard	400	.....	12	250	1.2	.....	.....	.....	R-013*
SK3603	Si	Standard	200	.....	12	250	1.2	.....	.....	.....	R-013*
SK3604	Si	Standard	50	.....	12	250	1.2	.....	.....	.....	R-013*
SK3605	Si	Standard	400	.....	15	300	1.47	.....	.....	.....	R-017*
SK3806	Si	Standard	200	.....	15	300	1.47	.....	.....	.....	R-017*
SK3607	Si	Standard	50	.....	15	300	1.47	.....	.....	.....	R-017*
SK3608	Si	Standard	400	.....	40	800	1.3	1500	-65/+200	.....	R-017*
SK3609	Si	Standard	200	.....	40	800	1.3	100	-65/+190	.....	R-017*
SK3610	Si	Standard	50	.....	40	800	1.1	500	-65/+200	.....	R-017*
SK3639	Si	Standard	200	240	6	400	0.90	250	-65/+175	.....	R-032
SK3640	Si	Standard	600	720	6	400	0.90	250	-65/+175	.....	R-032
SK3698	Si	Standard	200	.....	40	400	1.3	1000	-65/+190	.....	R-018**
SK3709	Ge	Standard	45	30	.035	0.2	.....	.....	.....	.....	R-003
SK3848	Si	Standard	600	800	3	200	1	10	-65/+170	.....	R-005
SK3925	Si	Fast-Recovery	2000	2200	2	150	2	100	.....	.....	R-020
SK3998	Si	Fast-Recovery	1500	1750	1	40	1.8	2	-65/+175	0.25	R-004
SK5001	Si	Standard	400	.....	8	150	1.2	100	.....	0.2	R-064
SK5002	Si	Fast-Recovery	200	.....	1	50	1.4	1	-55/+150	0.20	R-004
SK5003	Si	Fast-Recovery	1000	.....	1.5	50	1.3	5	-65/+175	0.5	R-004
SK5010A	Si	Standard	1000	.....	2.5	80	1.25	10	.....	.....	R-035
SK5014	Si	Fast-Recovery	200	.....	2	150	1.4	1	-50/+150	0.2	R-005
SK5016	Si	Fast-Recovery	600	.....	2	65	1.3	5	.....	0.25	R-034
SK5020	Si	Fast-Recovery	1000	2	65	1.3	55	R-005
SK5032	Si	Fast-Recovery	200	3	1.1	5	-55/+150	0.25	R-020

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			Repetitive	Non-Repet.	Average	Peak Surge		Reverse Current	Operating Temp.	Maximum Reverse Recovery Time	
			V_{RRM} V	V_{RSM} V	I_O A	I_{FSM} A	V_F V	I_R μ A	$^{\circ}$ C	t_{rr} μ S	
SK5036	Si	Fast-Recovery	600	720	3	300	1.4	5	.....	0.25	R-020
SK5036A	Si	Fast-Recovery	600	.....	3	100	1.3	5	-65/+175	0.25	R-034
SK5040	Si	Fast-Recovery	1000	1200	3	300	1.4	5	-55/+150	0.25	R-020
SK6554	Si	Standard	400	525	300	5000	1.4	15,000	-65/+200	.....	R-082*
SK6555	Si	Standard	400	525	300	5000	1.4	15,000	-65/+200	.....	R-083**
SK6556	Si	Standard	600	800	300	5000	1.4	12,000	-65/+200	.....	R-082*
SK6557	Si	Standard	600	800	300	5000	1.4	12,000	-65/+200	.....	R-083**
SK6558	Si	Standard	1000	1200	300	5000	1.4	700	-65/+200	.....	R-082*
SK6559	Si	Standard	1000	1200	300	5000	1.4	700	-65/+200	.....	R-083**
SK6560	Si	Standard	1200	1440	300	5000	1.4	700	-65/+200	.....	R-082*
SK6561	Si	Standard	1200	1440	300	5000	1.4	700	-65/+200	.....	R-083**
SK7038	Si	Standard	400	.....	3	250	1.2	.....	.....	.....	R-013*
SK7039	Si	Standard	400	.....	3	250	1.2	.....	.....	.....	R-014**
SK7042	Si	Standard	600	.....	3	250	1.2	.....	.....	.....	R-013*
SK7043	Si	Standard	600	.....	3	250	1.2	.....	.....	.....	R-014**
SK7046	Si	Standard	800	.....	3	250	1.2	.....	.....	.....	R-013*
SK7047	Si	Standard	800	.....	3	250	1.2	.....	.....	.....	R-014**
SK7048	Si	Standard	1000	.....	3	250	1.2	.....	.....	.....	R-013*
SK7049	Si	Standard	1000	.....	3	250	1.2	.....	.....	.....	R-014**
SK7051	Si	Standard	50	.....	6	250	1.2	.....	.....	.....	R-014**
SK7055	Si	Standard	200	.....	6	250	1.2	.....	.....	.....	R-014**
SK7059	Si	Standard	400	.....	6	250	1.2	.....	.....	.....	R-014**
SK7063	Si	Standard	600	.....	6	250	1.2	.....	.....	.....	R-014**
SK7066	Si	Standard	800	.....	6	250	1.2	.....	.....	.....	R-013*
SK7067	Si	Standard	800	.....	6	250	1.2	.....	.....	.....	R-014**
SK7068	Si	Standard	1000	.....	6	250	1.2	.....	.....	.....	R-013*
SK7069	Si	Standard	1000	.....	6	250	1.2	.....	.....	.....	R-014**
SK7074	Si	Standard	200	.....	85	1500	1.45	.....	.....	.....	R-017*
SK7075	Si	Standard	200	.....	85	1500	1.45	.....	.....	.....	R-018**
SK7076	Si	Standard	600	.....	85	1500	1.45	.....	.....	.....	R-017*
SK7077	Si	Standard	600	.....	85	1500	1.45	.....	.....	.....	R-018**
SK7078	Si	Standard	1000	.....	85	1500	1.45	.....	.....	.....	R-017*
SK7079	Si	Standard	1000	.....	85	1500	1.45	.....	.....	.....	R-018**
SK7086	Si	Standard	800	.....	12	250	1.2	.....	.....	.....	R-013*
SK7087	Si	Standard	800	.....	12	250	1.2	.....	.....	.....	R-014**
SK7090	Si	Standard	1000	.....	12	250	1.2	.....	.....	.....	R-013*
SK7091	Si	Standard	1000	.....	12	250	1.2	.....	.....	.....	R-014**
SK7092	Si	Standard	50	100	16	300	1.2	3000	-65/+200	.....	R-013*
SK7093	Si	Standard	50	100	16	300	1.2	3000	-65/+200	.....	R-014**
SK7096	Si	Standard	200	350	16	300	1.2	2000	-65/+200	.....	R-013*
SK7097	Si	Standard	200	350	16	300	1.2	2000	-65/+200	.....	R-014**
SK7100	Si	Standard	400	600	16	300	1.2	1500	-65/+200	.....	R-013*
SK7101	Si	Standard	400	600	16	300	1.2	1500	-65/+200	.....	R-014**
SK7104	Si	Standard	600	800	16	300	1.2	1000	-65/+200	.....	R-013*
SK7105	Si	Standard	600	800	16	300	1.2	1000	-65/+200	.....	R-014**
SK7108	Si	Standard	800	1000	16	300	1.2	750	-65/+200	.....	R-013*
SK7109	Si	Standard	800	1000	16	300	1.2	750	-65/+200	.....	R-014**
SK7110	Si	Standard	1000	1200	16	300	1.2	600	-65/+200	.....	R-013*
SK7111	Si	Standard	1000	1200	16	300	1.2	600	-65/+180	.....	R-014**
SK7145	Si	Standard	200	.....	15	300	1.47	700	-65/+180	.....	R-018**
SK7153	Si	Standard	600	.....	15	300	1.47	700	-65/+180	.....	R-018**
SK7171	Si	Standard	50	.....	12	250	1.2	.....	.....	.....	R-014**
SK7175	Si	Standard	200	.....	12	250	1.2	.....	.....	.....	R-014**
SK7179	Si	Standard	400	.....	12	250	1.2	.....	.....	.....	R-014**
SK7181	Si	Standard	50	.....	40	500	1.47	700	-65/+180	.....	R-018**
SK7182	Si	Standard	100	.....	40	500	1.47	700	-65/+180	.....	R-017*
SK7183	Si	Standard	100	.....	40	500	1.47	700	-65/+180	.....	R-018**
SK7191	Si	Standard	400	.....	40	500	1.47	700	-65/+180	.....	R-018**
SK7198	Si	Standard	800	40	500	1.47	700	-65/+180	R-017*
SK7199	Si	Standard	800	40	500	1.47	700	-65/+180	R-018**

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			Peak Reverse Current		Forward Current		Forward Voltage Drop, DC	Power Devices		High Speed Devices	
			Repetitive	Non-Repet.	Average	Peak Surge		Reverse Current	Operating Temp.	Maximum Reverse Recovery Time	
			V_{RRM} V	V_{ASM} V	I_O A	I_{FSM} A	V_F V	I_R μ A	$^{\circ}$ C	t_{rr} μ S	
SK7202	Si	Standard	1000	...	40	500	1.47	700	-65/+180	.....	R-017*
SK7203	Si	Standard	1000	...	40	500	1.47	700	-65/+180	.....	R-018**
SK7206	Si	Fast-Recovery	200	250	40	350	1.4	50	-65/+160	0.2	R-017*
SK7207	Si	Fast-Recovery	200	250	40	350	1.4	50	-65/+160	0.2	R-018**
SK7208	Si	Fast-Recovery	400	450	40	350	1.4	50	-65/+160	0.2	R-017*
SK7209	Si	Fast-Recovery	400	450	40	350	1.4	50	-65/+160	0.2	R-018**
SK7210	Si	Fast-Recovery	600	650	40	350	1.4	50	-65/+160	0.2	R-017*
SK7211	Si	Fast-Recovery	600	650	40	350	1.4	50	-65/+160	0.2	R-018**
SK7220	Si	Standard	50	.....	60	700	1.45	.....	.....	.....	R-017*
SK7221	Si	Standard	50	.....	60	700	1.45	.....	.....	.....	R-018**
SK7222	Si	Standard	100	.....	60	700	1.45	.....	.....	.....	R-017*
SK7223	Si	Standard	100	.....	60	700	1.45	.....	.....	.....	R-018**
SK7226	Si	Standard	200	.....	60	700	1.45	.....	.....	.....	R-017*
SK7227	Si	Standard	200	.....	60	700	1.45	.....	.....	.....	R-018**
SK7234	Si	Standard	400	.....	60	700	1.45	.....	.....	.....	R-017*
SK7235	Si	Standard	400	.....	60	700	1.45	.....	.....	.....	R-018**
SK7240	Si	Standard	600	.....	60	700	1.45	.....	.....	.....	R-017*
SK7241	Si	Standard	600	.....	60	700	1.45	.....	.....	.....	R-018**
SK7242	Si	Standard	800	...	60	700	1.45	.....	.....	.....	R-017*
SK7243	Si	Standard	800	...	60	700	1.45	.....	.....	.....	R-018**
SK7244	Si	Standard	1000	...	60	700	1.45	.....	.....	.....	R-017*
SK7245	Si	Standard	1000	.....	60	700	1.45	.....	.....	.....	R-018**
SK7248	Si	Standard	50	200	70	1500	1.45	10,000	-65/+200	.....	R-017*
SK7249	Si	Standard	50	200	70	1500	1.45	10,000	-65/+200	.....	R-018**
SK7250	Si	Standard	100	200	70	1500	1.45	10,000	-65/+200	.....	R-017*
SK7251	Si	Standard	100	200	70	1500	1.45	10,000	-65/+200	.....	R-018**
SK7254	Si	Standard	200	300	70	1500	1.45	10,000	-65/+200	.....	R-017*
SK7255	Si	Standard	200	300	70	1500	1.45	10,000	-65/+200	.....	R-018**
SK7260	Si	Standard	400	525	70	1500	1.45	10,000	-65/+200	.....	R-017*
SK7261	Si	Standard	400	525	70	1500	1.45	10,000	-65/+200	.....	R-018**
SK7264	Si	Standard	600	800	70	1500	1.45	10,000	-65/+200	.....	R-017*
SK7265	Si	Standard	600	800	70	1500	1.45	10,000	-65/+200	.....	R-018**
SK7268	Si	Standard	800	960	70	1500	1.45	7,000	-65/+200	.....	R-017*
SK7269	Si	Standard	800	960	70	1500	1.45	7,000	-65/+200	.....	R-018**
SK7272	Si	Standard	1000	1200	70	1500	1.45	5,000	-65/+200	.....	R-017*
SK7273	Si	Standard	1000	1200	70	1500	1.45	5,000	-65/+200	.....	R-018**
SK7354	Si	Standard	400	525	150	3000	1.2	16,000	-65/+200	.....	R-080*
SK7355	Si	Standard	400	525	150	3000	1.2	16,000	-65/+200	.....	R-081**
SK7356	Si	Standard	600	800	150	3000	1.2	12,000	-65/+200	.....	R-080*
SK7357	Si	Standard	600	800	150	3000	1.2	12,000	-65/+200	.....	R-081**
SK7358	Si	Standard	1000	1200	150	3000	1.2	7,000	-65/+200	.....	R-080*
SK7359	Si	Standard	1000	1200	150	3000	1.2	7,000	-65/+200	.....	R-081**
SK7362	Si	Standard	400	...	25	300	1.7	1000	-65/+175	.....	R-084*
SK7363	Si	Standard	400	.....	25	300	1.7	1000	-65/+175	.....	R-084R**
SK7366	Si	Standard	800	.....	25	300	1.7	1000	-65/+175	.....	R-084*
SK7367	Si	Standard	800	...	25	300	1.7	1000	-65/+175	.....	R-084R**
SK7376	Si	Standard	400	450	50	600	1	2000	-65/+195	.....	R-084*
SK7377	Si	Standard	400	450	50	600	1	2000	-65/+195	.....	R-084R**
SK9000	Si	Fast-Recovery	600	700	1	50	1.2	2	...	0.25	R-004
SK9003	Si	Standard	50	100	3	200	1	10	-65/+170	.....	R-005
SK9004	Si	Standard	100	200	3	200	1	10	-65/+170	.....	R-005
SK9005	Si	Standard	200	300	3	200	1	10	-65/+170	.....	R-005
SK9007	Si	Standard	400	525	3	200	1	10	-65/+170	.....	R-005
SK9009	Si	Standard	800	1000	3	200	...	10	-65/+170	.....	R-005
SK9010	Si	Standard	1000	1200	3	200	1	10	-65/+170	.....	R-005
SK9091	Si	Fast-Recovery	200	250	0.2	1	1	0.2	-65/+175	0.05	R-001
SK9096	Si	Standard	400	480	6	400	1.25	250	-65/+175	.....	R-032
SK9097	Si	Standard	1000	1200	6	400	0.9	250	-65/+175	.....	R-032
SK9098	Si	Fast-Recovery	800	...	3	60	1.5	150	...	1.3	R-011
SK9284	Si	Fast-Recovery	400	450	12	300	1.2	25	-65/+150	0.2	R-013*

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			Repetitive	Non-Repet.	Average	Peak Surge		Reverse Current	Operating Temp.	Maximum Reverse Recovery Time	
			V_{RRM} V	V_{RSM} V	I_O A	I_{FSM} A	V_F V	I_R μ A	$^{\circ}$ C	t_{rr} μ S	
SK9285	Si	Fast-Recovery	400	450	12	300	1.2	25	-65/+150	0.2	R-014**
SK9286	Si	Fast-Recovery	200	250	12	300	1.2	25	-65/+175	0.2	R-014**
SK9287	Si	Fast-Recovery	600	650	12	200	1.4	25	-65/+175	0.2	R-014**
SK9288	Si	Fast-Recovery	200	275	70	700	1.8 VPK	100	.....	.06	R-018**
SK9289	Si	Fast-Recovery	600	725	70	700	1.8 VPK	100	-40/+125	.06	R-018**
SK9710	Si	Standard	1200	1440	85	1500	1.2 VPK	9000	-65/+180	.....	R-017*
SK9810	Si	Standard	1200	1440	85	140	1.2 VPK	9000	-65/+180	.....	R-017*
SK9858	Si	Ultra-Fast	200	.....	3	100	1 Max	5 Max	.....	.035 Max	R-102
SK9859	Si	Ultra-Fast	600	.....	8	100	1.5 Max	.....	.....	.060	R-102
SK9860	Si	Ultra-Fast	200	.....	15	200	0.85	.....	.....	.035	R-103
SK9937	Si	Ultra-Fast	200	220	1.5	50	1.25	10	.....	0.035	R-109
SK9938	Si	Ultra-Fast	50	55	1.8	70	1.2	10	.....	0.035	R-110
SK9941	Si	Fast-Recovery	250 Max	.....	0.2	.....	1	0.1	.....	0.05	R-113
SK9942	Si	Fast-Recovery	85	.....	0.25	.....	1	1	.....	0.6	R-113
SK9943	Si	Standard	35	.....	0.1	.....	1.2	0.1	.....	.....	R-115
SK9944	Si	Fast-Recovery	75	.....	0.5	.....	1	0.10 nAmps	.....	0.6	R-116
SK10176	Si	Standard	600	.....	20	300	1.6	.....	.....	.....	R-119
SK10209	Si	Standard	600	.....	600	9400	1.36	.....	.....	.....	R-123*
SK10210	Si	Standard	600	.....	600	9400	1.36	.....	.....	.....	R-123**
SK10211	Si	Standard	1200	.....	600	9400	1.36	.....	.....	.....	R-123*
SK10212	Si	Standard	1200	.....	600	9400	1.36	.....	.....	.....	R-123**
SK10213	Si	Standard	600	.....	730	8400	1.52	.....	.....	.....	R-124
SK10214	Si	Standard	1200	.....	635	7200	1.73	.....	.....	.....	R-124
SK10215	Si	Standard	600	.....	1340	17500	1.42	.....	.....	.....	R-125
SK10216	Si	Standard	1200	.....	1200	15600	1.62	.....	.....	.....	R-125
SK10217	Si	Standard	600	.....	2990	31500	1.40	.....	.....	.....	R-126
SK10219	Si	Standard	1400	.....	185	4000	1.38	.....	.....	.....	R-127*
SK10220	Si	Standard	1400	.....	185	4000	1.38	.....	.....	.....	R-127**
SK10253	Si	Standard	1200	.....	2810	30000	1.46	.....	.....	.....	R-126
SK10422	Si	Standard	50	60	20	400	1.1	100	-65/+175	.....	R-014**
SK10423	Si	Standard	50	60	20	400	1.1	100	-60/+175	.....	R-013*
SK10424	Si	Standard	200	240	20	400	1.1	100	-65/+175	.....	R-014**
SK10425	Si	Standard	200	240	20	400	1.1	100	-65/+175	.....	R-013*
SK10426	Si	Standard	400	480	20	400	1.1	100	-65/+175	.....	R-014**
SK10427	Si	Standard	400	480	20	400	1.1	100	-65/+175	.....	R-013*
SK10428	Si	Standard	600	720	20	400	1.1	100	-65/+175	.....	R-014**
SK10429	Si	Standard	600	720	20	400	1.1	100	-65/+175	.....	R-013*
SK10430	Si	Standard	800	960	20	400	1.1	100	-65/+175	.....	R-014**
SK10431	Si	Standard	800	960	20	400	1.1	100	-65/+175	.....	R-013*
SK10432	Si	Standard	1000	1200	20	400	1.1	100	-65/+175	.....	R-014**
SK10433	Si	Standard	1000	1200	20	400	1.1	100	-65/+175	.....	R-013*
SK10443	Si	Standard	1600	1700	300	6800	1.35	.015 Peak	-40/+200	.....	R-129*
SK10444	Si	Standard	1600	1700	300	6800	1.35	.015 Peak	-40/+200	.....	R-129**
SK10457	Si	Standard	2000	2100	450	12200	1.45	.020 Peak	-20/+200	.....	R-123*
SK10458	Si	Standard	2000	2100	450	12200	1.45	.020 Peak	-40/+200	.....	R-123**
SK10510	Si	Ultra-Fast	400	5	150	1.25	5035	R-110
SK10511	Si	Ultra-Fast	1000	4	70	1.85	25	-65/+175	.075	R-110

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