

Standard recovery diode

Features

- High surge current capability
- Avalanche types available
- Stud cathode and stud anode version
- Wide current range
- Types up to 1200V VRRM
- RoHS Compliant

Applications

- Battery charges
- Converters
- Power supplies
- Machine tool controls

Technical parameter

Part Number	$I_{F(VA)}$ (A)	V_{RRM} (V)	@ T_C (°C)	V_{FM} (V)	I_{FSM}		$R_{\theta JC}$ (°C/W)	Outline
					50Hz(A)	60Hz(A)		Fig
ZP6A	6	100~1200	158	1.1@pie X Ifav	134	141	2.5	1 (DO-4)
ZP12A	12	100~1200	144	1.26@pie X Ifav	225	235	2	1 (DO-4)
ZP16A	16	100~1200	140	1.23@IFM=50	295	310	1.6	1 (DO-4)
ZP25A	25	100~1200	120	1.3@IFM=78	300	314	1.5	1 (DO-4)
ZP40A	40	100~1600	140	1.3@pie X Ifav	480	500	1	2 (DO-5)
ZP50A	50	400~1200	150	1.45@IFM=157	600	628	0.6	2 (DO-5)
ZP70A	70	100~1600	140	1.35@IFM=220	1000	1050	0.45	2 (DO-5)
ZP80A	80	400~1200	140	1.4@IFM=220	1500	1570	0.3	2 (DO-5)
ZP85A	85	100~1600	140	1.2@IFM=267	1450	1500	0.35	2 (DO-5)
ZP95A	95	400~1200	140	1.4@IFM=267	2000	2090	0.27	2 (DO-5)
ZP150A	150	100~1200	150	1.33@IFM=470	3000	3140	0.25	3 (DO-8)
ZP200A	200	2000~2400	110	1.4@IFM=630	3950	4140	0.23	5 (DO-30)
ZP300A	300	100~2500	130	1.4@IFM=942	5500	5750	0.18	4 (DO-9)
ZP320A	320	600~1200	100	1.33@IFM=750	4500	4700	0.18	4 (DO-9)
ZP380A	380	2000~3200	100	1.83@IFM=1180	5090	5330	0.11	4 (DO-9)
ZP400A	400	1200~2400	1200	1.62@IFM=1500	8250	8640	0.15	4 (DO-9)