

ZP series silicon rectifier



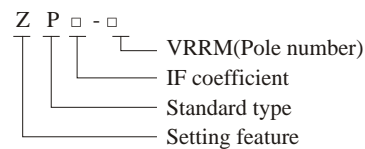
Standard recovery diodes

- ◇ IF (AV)=5-5000A
- ◇ V RRM=100-5000V
- ◇ Hermetic metal case with ceramic insulator
- ◇ Hermetic glass-metal seal
- ◇ Metal case with ceramic insulator
- ◇ Conform to partial national standard GB4939-1985
- ◇ Capacity of supporting high surge current
- ◇ Stud cathode and stud anode version

Typical applications

- ◇ AC/DC converters
- ◇ DC power supplies
- ◇ Machine tool controls

Model and meaning



Main technical parameter

Bolt type

Type No	IF (av) A	IFSM A	VFM A	ARRM V	VRSM V	IRRM mA	Rjc mA	Tj °C	Weight g
ZP5A	5	7.9	≤1.6	-4-100	VRRM=90% VRSM	≤2	≤4.0	-40~150	10
ZP10A	10	16					≤2.5		25
ZP20A	20	31					≤6		27
ZP30A	30	47					≤1.0		110
ZP50A	50	79					≤0.6		140
ZP100A	100	160	≤1.8			≤2	≤0.3	205	
ZP200A	200	310				≤0.2	325		
ZP300A	300	300				≤15	470		
ZP500A	500	500				≤0.11	925		
						≤0.068			

Tabulate type

Type No	IF (av) A	IFSM A	VFM A	ARRM V	VRSM V	IRRM mA	Rjc mA	Tj °C	Weight g
ZP100A	100	160	≤1.8	100-4500	VRRM=90% VRSM	≤5	≤0.30	-40-150	70
ZP200A	200	310				≤10	85/200		
ZP300A	300	470				≤0.11	100/285		
ZP500A	500	790				≤20	200/370		
ZP800A	800	1300				0.068	225/425		
ZP1000A	1000	1600				≤25	≤0.042		290/535
ZP1500A	1500	2400				≤0.034	650		
ZP2000A	2000	3100				≤0.021	755		
ZP2500A	2500	4000				≤30	≤0.020		1210
ZP3000A	3000	4700					≤0.011		1260
ZP3500A	3500	5500	1290						
ZP4000A	4000	6200	1320						
ZP5000A	5000	7900	1380						