

ZP series silicon rectifier



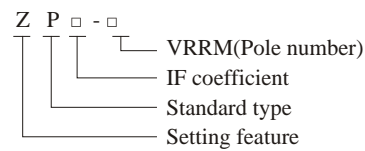
Standard recovery diodes

- ◇ 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%	≤2	≤4.0	-40~150	10
ZP10A	10	16			VRSM		≤2.5		25
ZP20A	20	31			≤6	≤1.4	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%	≤5	≤0.30	-40-150	70
ZP200A	200	310			VRSM		≤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						1260	
ZP3500A	3500	5500	≤0.011	1290					
ZP4000A	4000	6200			1320				
ZP5000A	5000	7900			1380				