YZPST. Yangzhou Positioning Tech. Co., Ltd

Electronic product specification

Product Name： Press Fit Diode

Product Number：IP35-DCP / IP35-DCN

Product Specifications： 35A / ≥400V

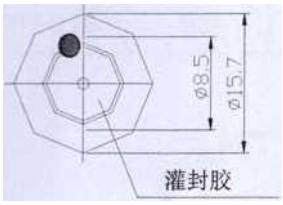
Feature description

•High forward current： 35A

•High voltage： ⩾400V

•Copper base, silicone rubber and epoxy package

•Push-in



Polarity recognition

•Lead Terminal Identification:	Red dot	Positive (P)
	black dot	Negative (N)

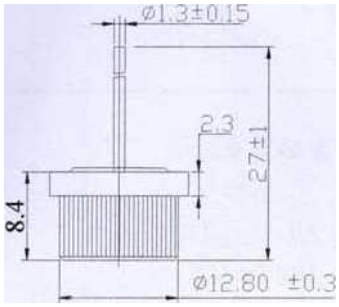


Figure 1

Size

•Size: See Figure 1

Coating

•Base: Electroplated dark nickel

•Lead: Bare copper immersion tin

Requirements

• Press-in force: The recommended pressing force is 1.5-5KN

Rated value

Type		Average forward current(I_F) A	Reverse repetitive peak voltage(V_{RRM}) V	Maximum junction temperature(Tjm)℃	Rated case temperature(Tc) ℃	Forward non-repetitive surge current(I_{FSM}) A	Storage temperature(T_{STG})℃
positive polarity	negative polarity						
IP35-DCP	IP35-DCN	35	300	175	-40—175	400	-40—175

Electrical Characteristics Tc=25°C (unless otherwise specified)

Type		Forward peak voltage (V_{FM}) V (I_{FM}=100A)	Reverse repetitive peak current (1_{RRMI})uA (V_R=300V)	Reverse repetitive peak current($1_{RRM}2$) uA (V_R=300V Tr=150°C)
positive polarity	negative polarity			
1P35-DCP	IP35-DCN	≤1.18	2	200

Thermal characteristics

Parameter Name	Thermal resistance $R_{(TH)J-C}$
Unit	°c/w
Canonical Value	≤0.8
Test Conditions	I_F=35A ts=1000ms

Factory inspection items

•Exterior	n=50 Ac=0
•Electrical parameters	n=50 Ac=0 Forward peak voltage Reverse leakage current
•size	n=10 Ac=0 Total Height：29±1 Lead diameter：1.3±0.15 Pipe diameter: 12.80±0.03

Package

• Packing: 500 pcs/box, 10 boxes/carton

•Identification:

Inner box label:

The red word indicates a "positive"diode

Black words indicate "negative" diodes

Production batch

Product number

breakdown voltage

polarity

quantity

Outer box identification:

model

quantity

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