



High Current Automobile Rectifier

Reverse Voltage - 400Volts

Forward Current - 35 Amperes

Features

- Better heat dissipation
- Low power loss
- High reliability
- High surge forward current capability

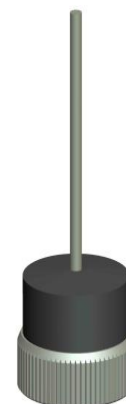
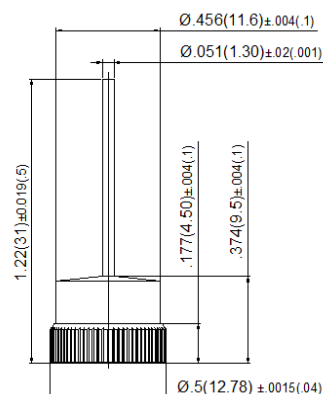
Mechanical Data

- Case: Press-Fit
 - Polarity: P= ANODE ON LEAD WIRE, N= CATHODE ON LEAD WIRE
- Note: Products with logo  or  are made by HY Electronic (Cayman) Limited.

Applications

- Generally applied in alternator, motorbike, automobile, etc.

PRESS-FIT

RoHS
COMPLIANT

Package Outline Dimensions in Inches (Millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics	Symbol	DV354P(N)	Unit
Maximum Peak Repetitive Reverse Voltage @Irrm=100mA	V _{RM}	400	V
Peak Repetitive Reverse Voltage @T _J =175°C	V _{RRM}	280	V
Maximum Average Forward Current I _O @T _c =170°C 60HZ, resistive or inductive load	I _(AV)	35	A
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave, Superimposed on Rated Load (JEDEC Method)	I _{FSM}	420	A
Maximum Inst. Forward Voltage Drop, I _F at 100Amp	V _F	1.1	V
Maximum DC Reverse Current at Rated @T _J =25°C	I _R	3	uA
Peak Repetitive Reverse Voltage @T _J =175°C		800	
Maximum Thermal Resistance Junction to Ambient	R _{θJA}	0.8	°C/W
Operating Junction Temperature Range	T _J	-40to+200	°C
Storage Temperature Range	T _{STG}	-40to+200	°C

RATING AND CHARACTERISTIC CURVES

DV354P(N)



Fig. 1 - Forward Current Derating Curve

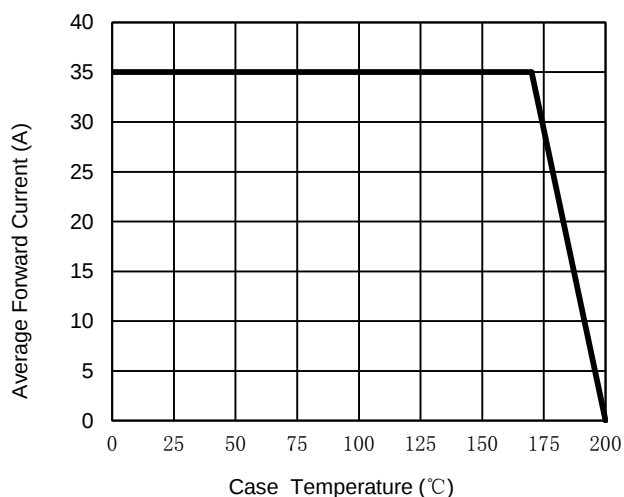


Fig. 2 - Maximum Non-Repetitive Surge Current

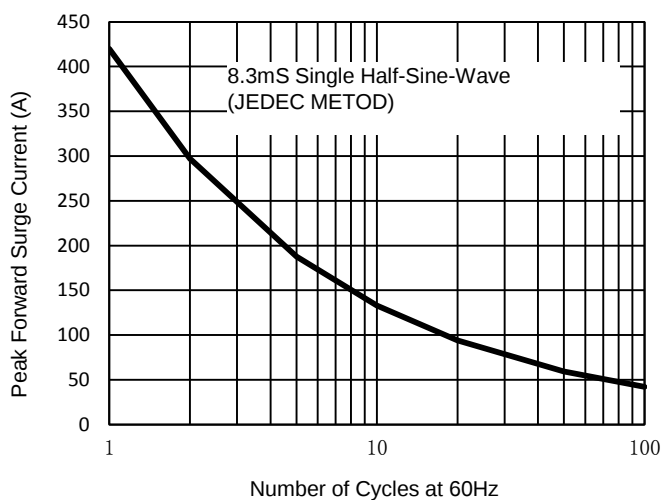


Fig. 3 - Typical Reverse Characteristics

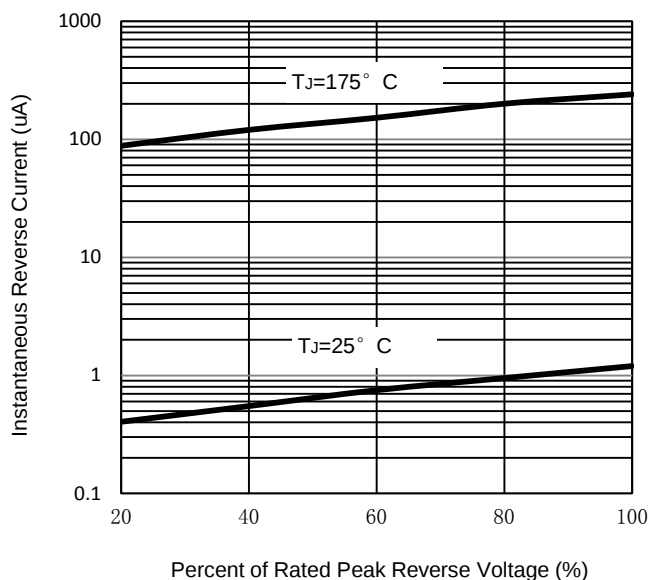
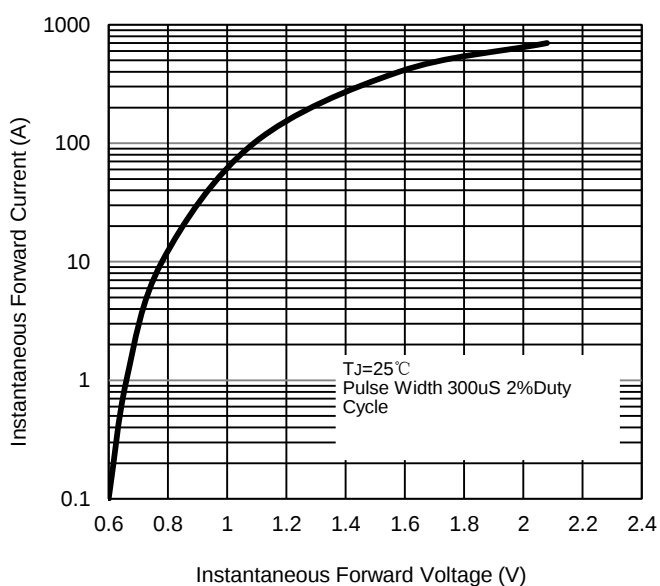


Fig. 4 - Typical Forward Characteristics



The curve above is for reference only.

DV354*-S-00/99-00/01
Rev. 11, 18-May-2020



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ALL specifications and data are subject to be changed without notice to improve reliability function or design or other reasons.

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