

### Features

- Current: 35A
- Voltage:200-1600V
- Glass passivated diode chips
- High thermal conductivity package,electrically insulated case

### Typical Applications

- Eliminator supply
- Industrial automatic control
- Numierial-controlled machinery,telecontrol system

### Major Ratings and Characteristics

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single phase,half-wave,60HZ,resistive or inductive load rating at 25°C,unless otherwise stated,  
for capacitive load,derate current by 20%)

	SYMBOL	DPC35 A	DPC35 A	DPC35 A	DPC35 A	DPC35 A	DPC35 A	DPC35 A	DPC35 A	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	200	400	600	800	1000	1200	1400	1600	V
Maximum RMS Voltage	VRMS	140	280	420	560	700	840	980	1120	V
Maximum DC Blocking Voltage	VDC	200	400	600	800	1000	1200	1400	1600	V
Maximum Average Forward Rectified Current (TC=55°C)	IF(AV)	35								A
Peak forward Surge Current(8.3ms single half sine-wave superimposed on rated load)	IFSM	300								A
Maximum Instantaneous Forward Voltage (at forward current 17.5 DC)	VF	1.1								V
Maximum DC Reverse Current Ta=25°C (at rated DC blocking voltage) Ta=100°C	IR	10								μ A
Storage and Operating Junction Temperature	T <sub>STG</sub> ,T <sub>J</sub>	-55 to +150								°C

Note:Suffix"W"for wire type

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

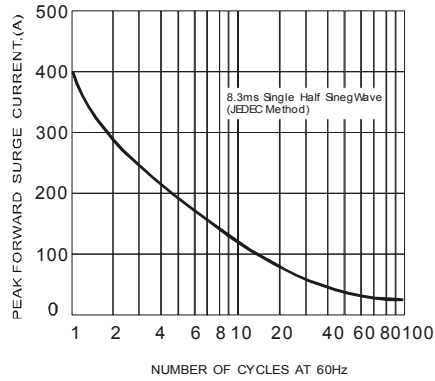


FIG. 2-TYPICAL FORWARD CURRENT DERATING CURVE

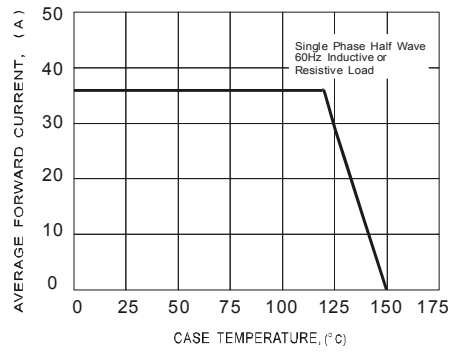


FIG. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

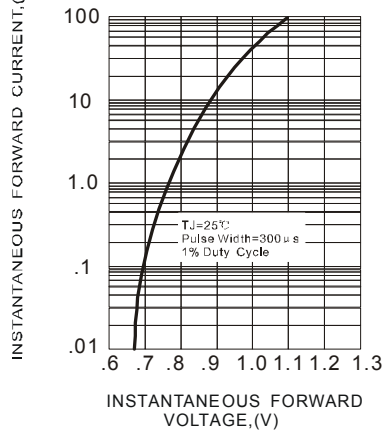


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

