

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℃,unless otherwise stated,
for capacitive load,derate current by 20%)

	SYMBOL	BPC35 02	BPC35 04	BPC35 06	BPC35 08	BPC35 10	BPC35 12	BPC35 14	BPC35 16	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℃)	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 (at rated DC blocking voltage) Ta=25℃ Ta=100℃	IR	10								μ A
Storage and Operating Junction Temperature	T _{STG} ,T _J	-55 to +150								℃

Note:Suffix"W"for wire type

FIG.1-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

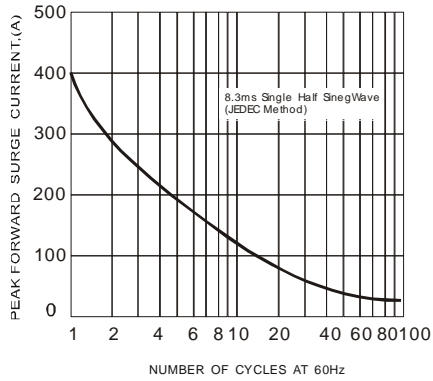


FIG. 2-TYPICAL FORWARD CURRENT DERATING CURVE

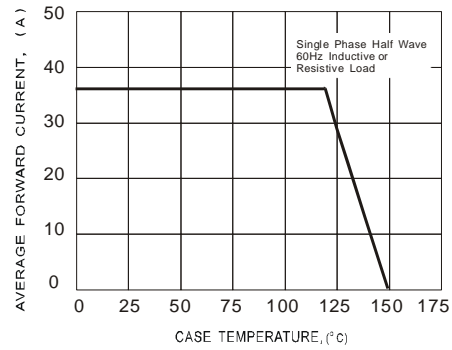


FIG. 2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

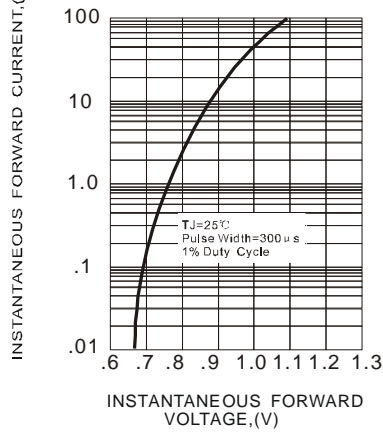


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

