

Features

- Current: 50A
- 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	BPC 5002	BPC 5004	BPC 5006	BPC 5008	BPC 5010	BPC 5012	BPC 5014	BPC 5016	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)	50								A
Peak forward Surge Current(8.3ms single half sine-wave superimposed on rated load)	IFSM	400								A
Maximum Instantaneous Forward Voltage (at forward current 17.5 DC)	VF	1.1								V
Maximum DC Reverse Current Tj=25℃	IR	25								μ A
Storage and Operating Junction Temperature	T _{STG} ,T _J	-55 to +150								℃
Approximate weight	wt	28								g

Note:Suffix"W"for wire type

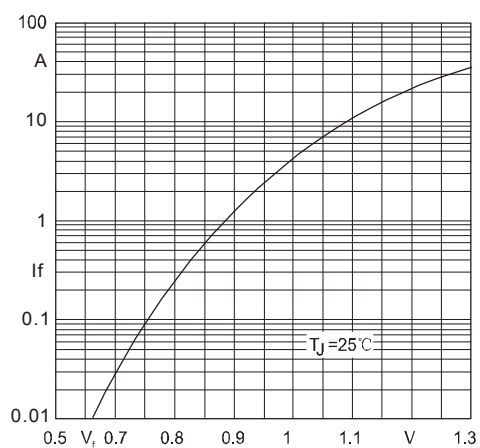


Fig.1-Forward Characteristics (typical values)

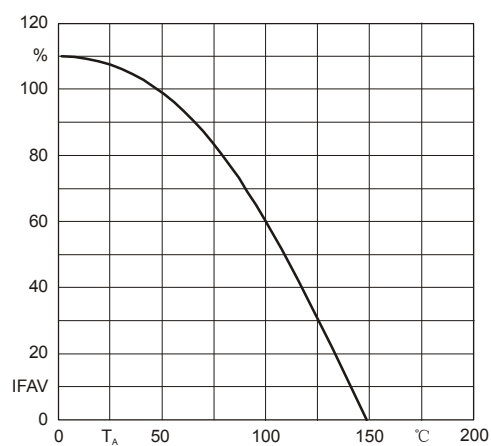


Fig.2:Rated forward Current vs.ambient temperature

