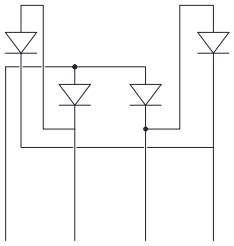
Bridge Rectifiers



Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

Mechanical Data

- **Package**: JC
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	D6JC05	D6JC10	D6JC20	D6JC40	D6JC60	D6JC80	D6JC100	D6J
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	V	50	100	200	400	600	800	1000	
Maximum RMS Voltage		V_{RMS}	V	35	70	140	280	420	560	700	
Maximum DC blocking Voltage		V_{DC}	V	50	100	200	400	600	800	1000	
Average rectified output current @60Hz sine wave , R-load	**With heatsink Tc = 120**	I_O	A	6.0							
	Without heatsink Ta =25			2.0							
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25		I_{FSM}	A	150							
Current squared time @1ms≤t≤8.3ms, Tj=25 , rating of per diode		I^2t	A^2S	93.4							
Storage temperature		T_{stg}		-55 ~ +150							
Junction temperature		T_j		-55 ~ +150							
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2							
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8							

■**Electrical Characteristics** T_a

■ **Outline Dimensions**

JC

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