SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIERS

VOLTAGE RANGE: 50 TO 1000 VOLTS

CURRENT: 4.0 AMPERES

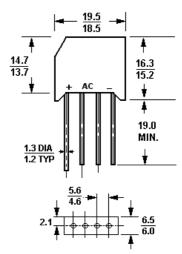
Features

Surge overload rating: 200 amperes peak

• Ideal for printed circuit board application

Mechanical Data

Mounting position: Any



Dimensions in mm

Absolute Maximum Ratings and Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

inductive load, i or capacitive load, derate current	Symbols	KBL	KBL	KBL	KBL	KBL	KBL	KBL	Units
		4005	401	402	404	406	408	410	
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Average rectified output current at T _A = 50°C	Io	4.0							Α
Non-repetitive Peak forward surge current 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	I _{FSM}	200							Α
Maximum instantaneous forward voltage drop per leg at 4.0A DC	V _F	1.0						٧	
Maximum DC reverse current $T_A = 25^{\circ}C$	10							μA	
at rated DC blocking voltage per leg $T_A = 100^{\circ}C$	'R	I _R 1.0							mA
Typical junction capacitance(note)	C _j	40							pF
Operating junction temperature range	TJ	-55 to +125							°С
Storage temperature range	T _{STG}	-55 to +150						°С	

Notes: Measured at 1.0MHz and applied reverse voltage of 4.0V.DC









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