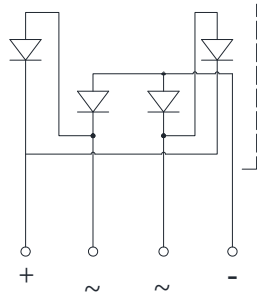


Bridge Rectifiers

Features

- UL recognition, file #E230084
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Maximum RMS Voltage	VRMS	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	VDC	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, Tc=120	IO	A	3.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	IFSM	A	70						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			140						
Current squared time @1ms≤t<8.3ms Tj=25 Rating of per diode	I²t	A²s	20.3						
Dielectric strength @ terminals to case, AC 1 minute	Vdis	KV	2						
Storage temperature	Tstg		-55 ~ +150						
Junction temperature	Tj		-55 ~ +150						



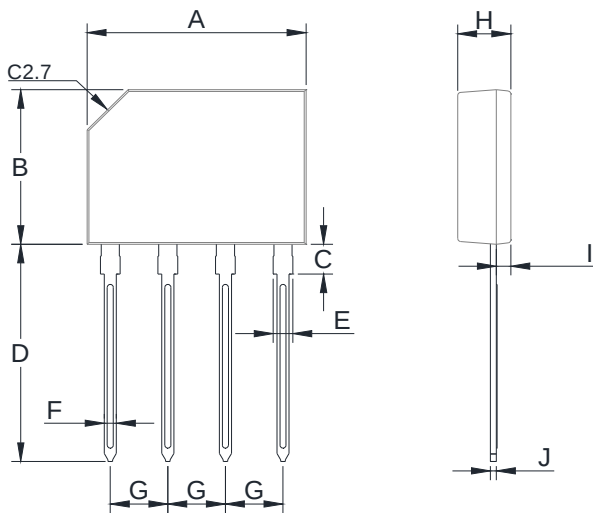
GBP3005S THRU GBP310S

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBP3005S	GBP301S	GBP302S	GBP304S	GBP306S	GBP308S	GBP310S
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=1.5A$	1.0						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	$T_j=25$	5						
			$T_j=125$	100						
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse							



■ Outline Dimensions



GBP		
Dim	Min	Max
A	14.25	14.75
B	10.10	10.60
C	1.80	2.20
D	14.25	14.73
E	1.22	1.42
F	0.76	0.86
G	3.70	3.90
H	3.35	3.65
I	0.80	1.10
J	0.35	0.55



GBP3005S THRU GBP310S

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