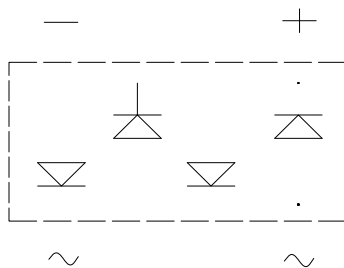
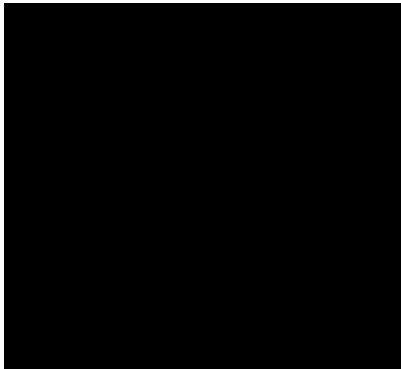




Bridge Rectifiers



Features

- UL recognition, file #E313149
- Ideal for automated placement
- Glass passivated chip junction
- High surge current capability

” **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)

					6 00	8 00	1 000
Maximum RMS Voltage	V_{RMS}	V	1 40	2 80	4 20	5 60	7 00
Maximum DC blocking Voltage	V_{DC}	V	2 00	4 00	6 00	8 00	1 000
Average rectified output current @ 60Hz sine wave, R-load, $T_c=127$	I_O	A	1.5				
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	I_{FSM}	A	50				
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			100				
Current squared time @1ms≤t<8.3ms $T_j=25$ Rating of per diode	I^2t	A ² s	10.4				
Storage temperature	T_{stg}		-55 ~ +150				
Junction temperature	T_j		-55 ~ +150				

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	ABS1502	ABS1504	ABS1506	ABS1508	ABS1510
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=0.7A$	0.95				
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 Voltage of 4.0 V.D.C	17				



ABS1502 THRU ABS1510

■ Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	ABS1502	ABS1504	ABS1506	ABS1508	ABS1510
Thermal Resistance	Between junction and ambient	R θ J-A	/W	62.5				
	Between junction and lead	R θ J-L		25.0				
	Between junction and case	R θ J-C		8.0				

Note: Device mounted on P.C.B with 35mm*25mm*1.7mm

■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON
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ABS1502 THRU ABS1510

■ Outline Dimensions

ABS		
Dim	Min	Max
A	4.30	4.50
B	6.00	6.40
C	3.90	4.10
D	4.90	5.10
E	1.25	1.45
F	1.60 Max	
G	0.60	0.70
H	0.15	0.25
I	0.30	0.80

■ Suggested pad layout



ABS1502 THRU ABS1510

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