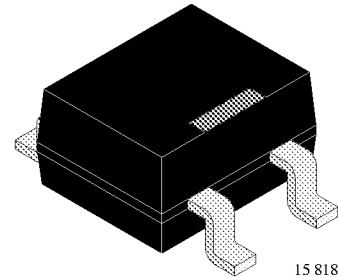


0.8A Surface Mount Bridge Rectifier

Features

- Rating to 1000V PRV
- Surge overload rating to 30A peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL–STD–202 method 208
- Lead: Snpb plated copper
- Plastic material – UL Recognition flammability classification 94V–0



Absolute Maximum Ratings

$T_j = 25^\circ\text{C}$

Parameter	Test Conditions	Type	Symbol	Value	Unit
Repetitive peak reverse voltage =Working peak reverse voltage =DC Blocking voltage		HD01	V_{RRM}	100	V
		HD02	$=V_{RWM}$	200	V
		HD04	$=V_R$	400	V
		HD06		600	V
		HD08		800	V
		HD10		1000	V
Peak forward surge current	$T_j=25^\circ\text{C}$, (JEDEC Method)		I_{FSM}	30	A
Average forward current	$T_A=40^\circ\text{C}$, mounted on CERAMIC P.C. board		I_{FAV}	0.8	A
Junction and storage temperature range			$T_j=T_{stg}$	-55...+150	$^\circ\text{C}$

Electrical Characteristics

$T_j = 25^\circ\text{C}$

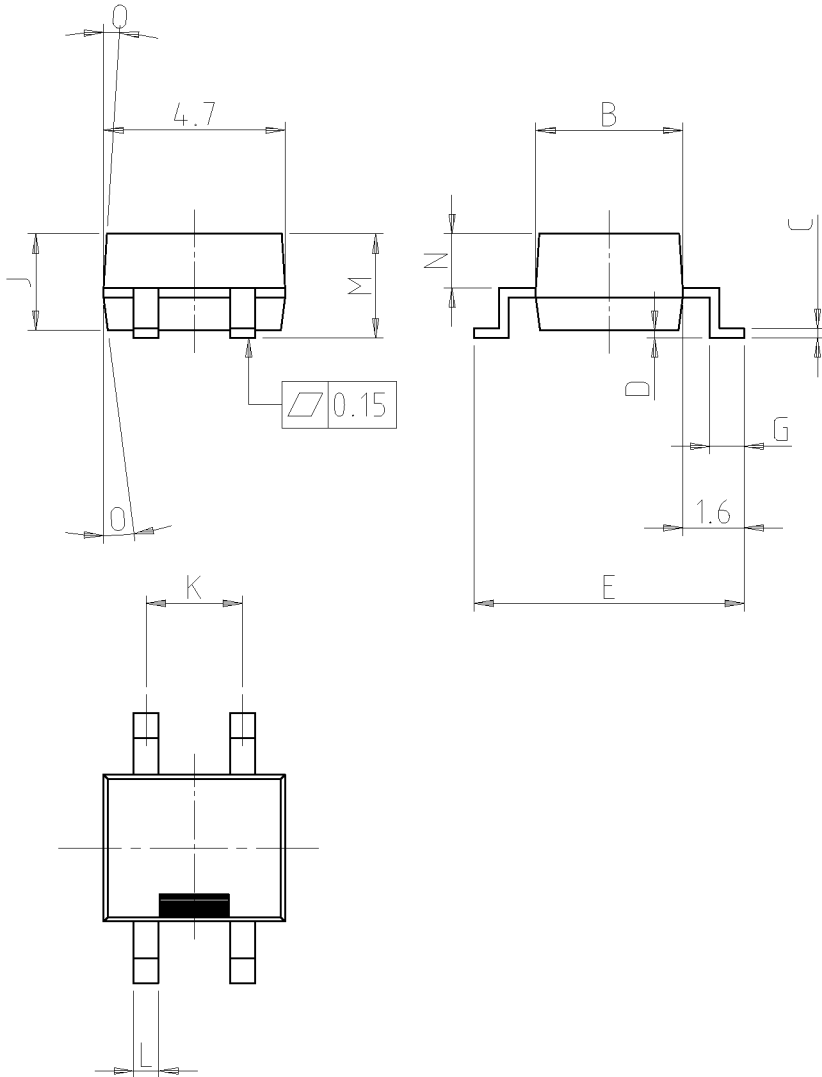
Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=0.4\text{A}$		V_F			1	V
Reverse current	$T_j=125^\circ\text{C}$ $V_R=V_{RRM}$		I_R			5	μA
			I_R			500	μA
Diode capacitance	$V_R=4\text{V}$, $f=1\text{MHz}$		C_D		10		pF
Thermal resistance junction to ambient	mounted on CERAMIC P.C. board		R_{thJA}		75		K/W

HD01–HD10

Vishay Telefunken



Dimensions in mm



HD01 - HD10		
Dim	Min	Max
A	1.30	1.70
B	3.60	4.00
C	0.15	0.35
D	0.0	0.20
E	-	7.00
G	0.70	1.10
H	4.50	4.90
J	2.30	2.70
K	2.30	2.70
L	0.50	0.80
M	-	3.0
N	1.20	1.60
O	5°	
All Dimensions in mm		

15832

technical drawings
 according to DIN
 specifications

Case: molded plastic
 Mounting position: any
 Polarity: symbols molded on body
 Approx. weight: 0.0044 ounces, 0.125 grams