

Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	YBSML8008
Device marking code			YBSML8008
Maximum Repetitive Peak Reverse Voltage	VRM	V	800
Maximum RMS Voltage	VRMS	V	560
Maximum DC blocking Voltage	VDC		
	o	A	8.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	IFSM	A	250
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			500
Current squared time @1ms t 8.3ms Tj=25 Rating of per diode	I²t	A²s	259.4
Storage temperature	Tstg		-55 ~ +150
Junction temperature	Tj		-55 ~ +150

Electrical Characteristics Ta=25 Unless otherwise specified

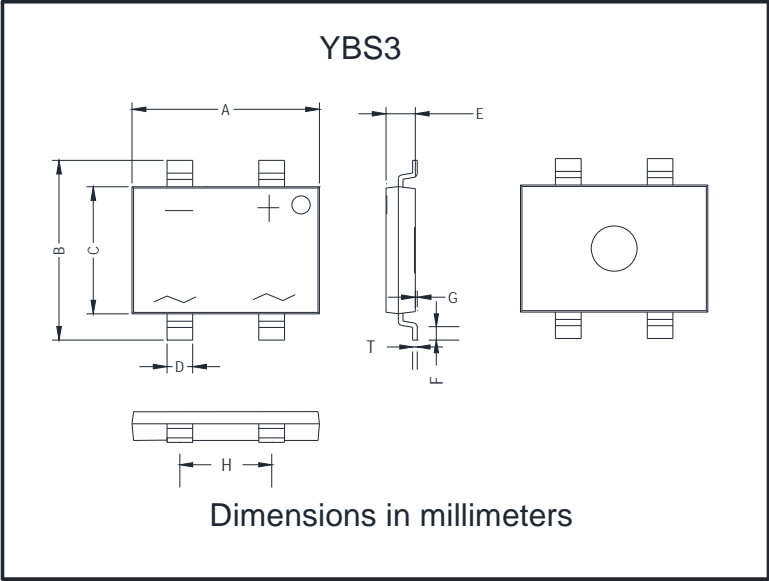
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Instantaneous forward voltage drop per diode	VF	V	IFM=4.0A	0.7	0.875	0.92
DC reverse current at rated DC blocking voltage per diode	IR	µA	Tj=25	-	0.18	5
			Tj=125	-	42	100
Junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	35	74	150



Thermal Characteristics T_a

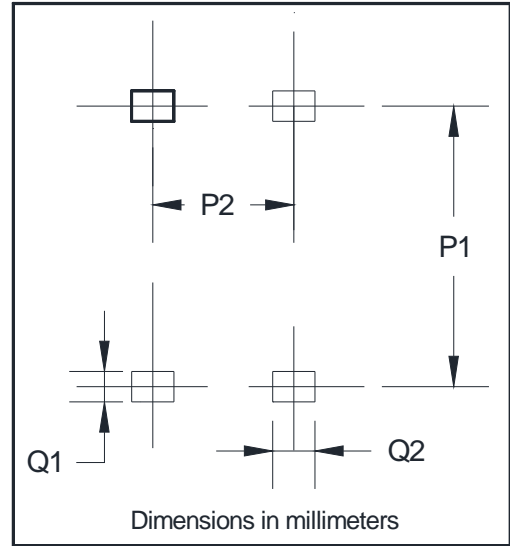


Outline Dimensions



YBS3		
Dim	Min	Max
A	10.00	10.40
B	9.70	10.10
C	6.80	7.20
D	1.3	1.5
E	1.4	1.8
F	0.5	1.1
G	0	0.15
H	4.9	5.1
T	0.20	0.30

Suggested pad layout



YBS3	
Dim	Min
P1	9.25
P2	5.00
Q1	1.00
Q2	1.5



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