

Maximum Ratings (T_a=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	YBSML4006
Device marking code			YBSML4006
Maximum Repetitive Peak Reverse Voltage	VRRM	V	600
Maximum RMS Voltage	VRMS	V	420
Maximum DC blocking Voltage	VDC	V	600
Average rectified output current @60Hz sine wave, R-load, T _c =100	I _O	A	4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, T _j =25	IFSM	A	150
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			300
Current squared time @1ms t 8.3ms T _j =25 Rating of per diode	I ² t	A ² s	93.4
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	Min	Typ	Max
Instantaneous forward voltage drop per diode	V _F	V	I _{FM} =2.0A	0.7	0.87	0.92
DC reverse current at rated DC blocking voltage per diode	I _R	μA	T _j =25	-	0.085	5
			T _j =125	-	25	100
Junction capacitance	C _j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	25	45	65



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Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	YBSML4006
Typical Thermal Resistance	Between Junction and Ambient	R_{JA}	/W	55
	Between Junction and Lead	R_{JL}		12
	Between Junction and Case	R_{JC}		7

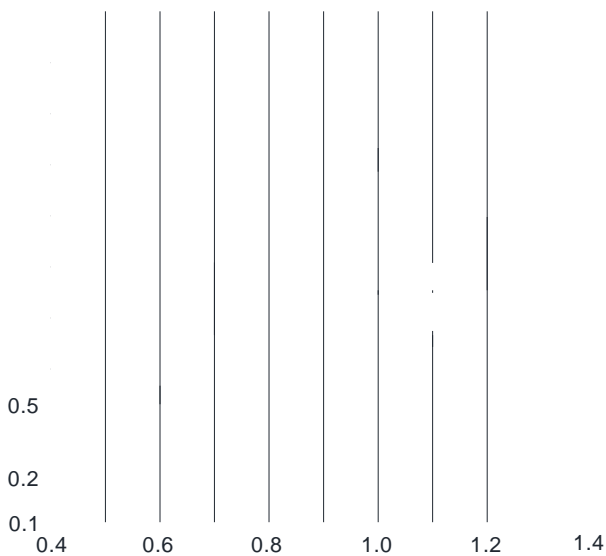
Note: Device mounted on P.C.B with 35mm*25mm*1.7mm.

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
YBSML4006	F1	Approximate 0.35	1800	/	25200	13" Reel

Characteristics (Typical)

FIG3: Typical Forward Voltage







Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportat