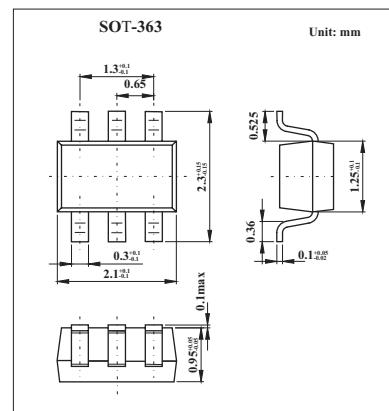


Surface Mount Fast Switching Diode Array

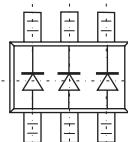
MMBD4448HTW

■ Features

- Fast Switching Speed
- Ultra-Small Surface Mount Package
- For General Purpose Switching Applications
- High Conductance



■ PIN Array



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	80	V
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	57	V
Forward Continuous Current	I _{FM}	500	mA
Average Rectified Output Current	I _O	250	mA
Non-Repetitive Peak Forward Surge Current @ t = 1.0 μ s @ t = 1.0s	I _{FSM}	4.0 2.0	A
Power Dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient Air	R _{θ JA}	625	°C/W
Operating and Storage Temperature Range	T _{j, T_{STG}}	-65 to +150	°C

MMBD4448HTW

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Reverse Breakdown Voltage (*)	V _{(BR)R}	I _R = 100 µ A	80			V
Forward Voltage (*)	V _F	I _F = 5.0mA	0.62	0.72		V
		I _F = 10mA		0.855		
		I _F = 100mA		1.0		
		I _F = 150mA		1.25		
Reverse Current (*)	I _R	V _R = 70V		100		nA
		V _R = 75V, T _j = 150°C		50		µ A
		V _R = 25V, T _j = 150°C		30		µ A
		V _R = 20V		25		nA
Total Capacitance	C _T	V _R = 6V, f = 1.0MHz		3.5		pF
Reverse Recovery Time	t _{rr}	V _R = 6V, I _F = 5mA		4.0		ns

* Short duration test pulse used to minimize self-heating effect.

■ Marking

Marking	KAA
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