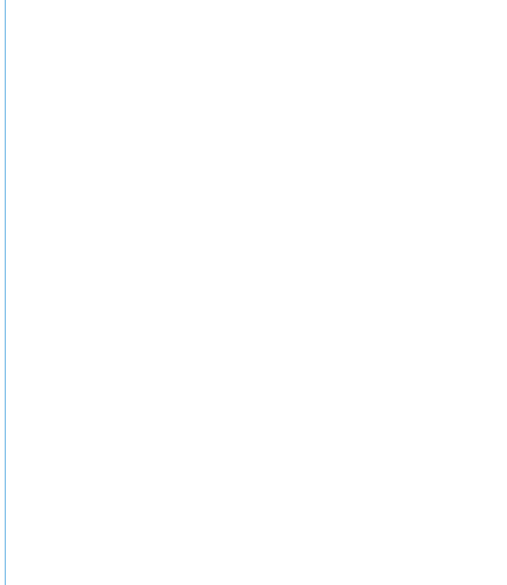




MMBD4448TS

SURFACE MOUNT SWITCHING DIODES

VOLTAGE 100 Volts **200mWatts** SOD-523 Unit: inch (mm)



MECHANICAL DATA

Case: SOD-523 plastic case.
 Terminals : Solderable per MIL-STD-750,Method 2026
 Standard packaging: 8mm tape
 Weight: approximately 0.00

PARAMETER	SYMBOL	MMBD4448TS	UNITS
Marking Code		A3	
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
RMS Voltage	V_{RMS}	50	V
Maximum DC Blocking Voltage	V_{DC}	75	V
Maximum Average Forward Current at Ta=25°C	$I_{F(AV)}$	150	mA
Peak Forward Surge Current, 1.0us	I_{FSM}	4	A
Power Dissipation Derate Above 25°C	P_{TOT}	200	mW
Maximum Forward Voltage	V_F	0.72 / 5mA 1.0 / 100mA	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J = 25°C	I_R	2.5@75V	uA
Junction Capacitance(Notes1)	C_J	4.0	pF
Maximum Reverse Recovery (Notes2)	T_{RR}	4.0	ns
Typical Thermal Resistance	$R_{\theta JA}$	625	°C / W
Junction and Storage Temperature Range	T_J	-55 to +150	°C