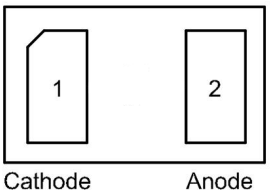
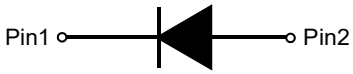
SWITCHING DIODE



DFN1006-2L



Circuit diagram

FEATURES

Small surface mounting type

High speed

High reliability with high surge current handling capability

Order information

Model	Marking	Package	shipping
1N4148WD	**T8**	**DFN1006-2L**	**10000/Tape&Reel**

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

Parameter	Symbol	Limit	Unit
Non-repetitive peak reverse voltage	V_{RM}	90	V
DC blocking voltage	V_R	80	V
Peak forword current	I_{FM}	225	mA
Average rectified output current	I_O	100	mA
Surge Current @t=1s	I_{Surge}	500	mA
Junction temperature	T_J	125	℃
Storage temperature	T_{STG}	-40~+125	℃

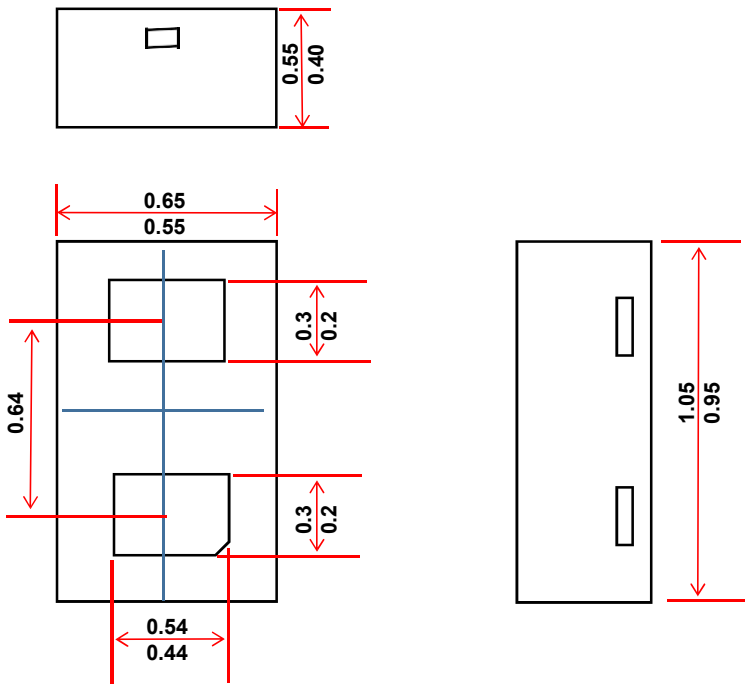
Electrical Ratings @Ta=25℃

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			1.2	V	I_F=100mA
Reverse current	I_R			0.1	μA	V_R=80V
Capacitance between terminals	C_T			3	pF	V_R=0.5V,f=1MHz
Reverse recovery time	t_{rr}			4	ns	I_F=10mA ,V_R=6V,R_L=100Ω

FAST SWITCHING DIODE

Package outline dimensions

DFN1006-2L



Recommened Mounting Pad Layout Unit:mm

