MSKSEMI 美森科













T\

TSS

MOV

GDT

PIFD

LL4148-MS

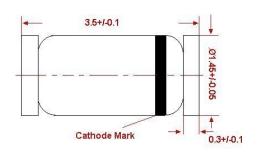
Product specification

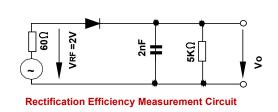




Features

- power dissipation
- IF:200mA
- VR:75V
- PKG:LL34 glass case





Glass case MiniMELF Dimensions in mm

LL-34

REEL SPECIFICATION

P/N	PKG	QTY
LL4148-MS	LL-34	2500

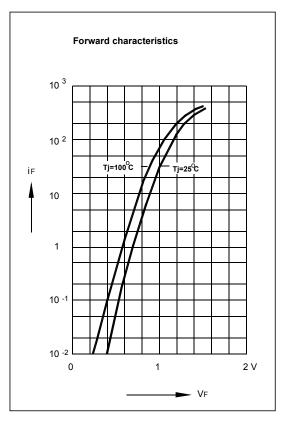
Absolute Maximum Ratings (Ta = 25℃)

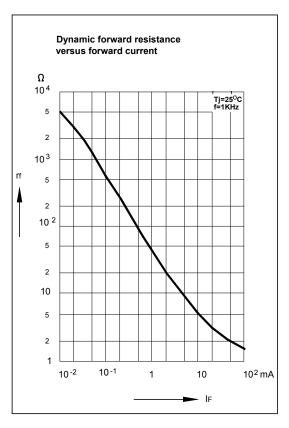
Parameter		Symbol	Value	Unit
Peak Reverse Voltage		V_{RM}	100	V
Reverse Voltage		V _R	75	V
Average Rectified Forward Current		I _{F(AV)}	200	mA
Non-repetitive Peak Forward Surge Current	at t = 1 s at t = 1 _{ms} at t = 1 µs	I _{FSM}	0.5 1 4	А
Power Dissipation		P _{tot}	500 1)	mW
Junction Temperature		Tj	175	°C
Storage Temperature Range		T_{stg}	- 65 to + 175	°C
1) Valid provided that electrodes are kept at ambient te	emperature.			

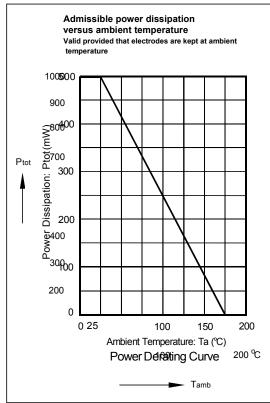
Characteristics at Ta = 25° C

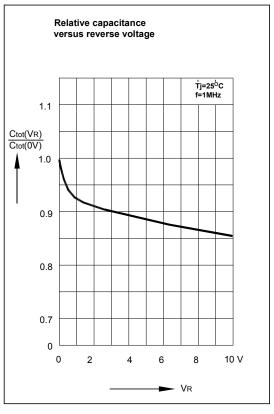
Parameter	Symbol	Min.	Max.	Unit
Forward Voltage			4	.,
at $I_F = 10 \text{ mA}$	V _F	-	1	V
Leakage Current				
at $V_R = 20 V$	I R	-	25	nA
at $V_R = 75 V$	I R	-	5	μA
at V _R = 20 V, T _j = 150 °C	l _R	-	50	μA
Reverse Breakdown Voltage	.,	100		V
tested with 100 µA Pulses	$V_{(BR)R}$	100	-	V
Capacitance				_
at $V_R = 0$, $f = 1$ MHz	C_{tot}	-	4	pF
Voltage Rise when Switching ON				
tested with 50 mA Forward Pulses	V_{fr}	_	2.5	V
tp = 0.1 s, Rise Time < 30 ns, $tp = 5 to 100 KHz$				
Reverse Recovery Time				
at I_F = 10 mA to I_R = 1 mA, V_R = 6 V, R_L = 100 Ω	t _{rr}	-	4	ns
Thermal Resistance Junction to Ambient Air	R _{thA}	-	0.35 1)	K/mW
Rectification Efficiency				
at f = 100 MHz, V_{RF} = 2 V	ην	0.45	-	-
1) Valid provided that electrodes are kept at ambient temperature	1		1	1













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