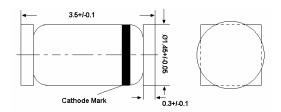
SILICON EPITAXIAL PLANAR DIODE

fast switching diode in QuadroMELF case especially suited for automatic surface mounting. Identical electrically to standard JEDEC 1N4448.

LS-34



QuadroMELF Dimensions in mm

Absolute Maximum Ratings (T_a = 25 °C)

Symbol	Value	Unit
V_{RM}	100	V
V _R	75	V
Io	150 ¹⁾	mA
I _{FSM}	500	mA
P _{tot}	500 ¹⁾	mW
Tj	175	°C
Ts	- 65 to + 175	°C
	V _{RM} V _R I _O I _{FSM} P _{tot}	V _{RM} 100 V _R 75 I _O 150 ¹⁾ I _{FSM} 500 P _{tot} 500 ¹⁾ T _j 175

Characteristics at T_a = 25 °C

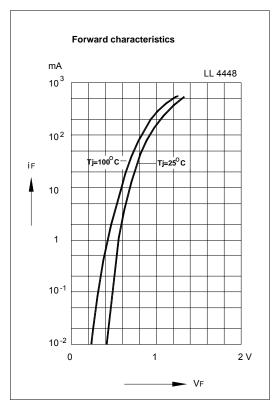
Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 5 mA at I _F = 100 mA	V _F	0.62	0.72 1	V
Leakage Current at $V_R = 20 \text{ V}$ at $V_R = 75 \text{ V}$	I _R		25 5	nΑ μΑ
Reverse Breakdown Voltage tested with 100 µA Pulses	$V_{(BR)R}$	100	-	V
Capacitance at $V_F = V_R = 0$	C _{tot}	-	4	pF
Reverse Recovery Time from $I_F = 10 \text{ mA}$ to $I_R = 1 \text{ mA}$, $V_R = 6 \text{ V}$, $R_L = 100 \Omega$	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 tem	perature.			

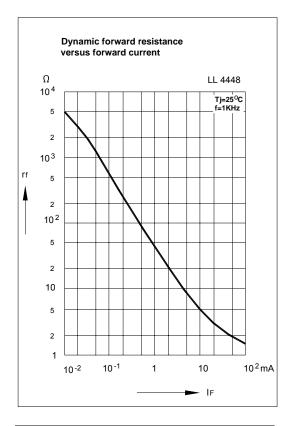


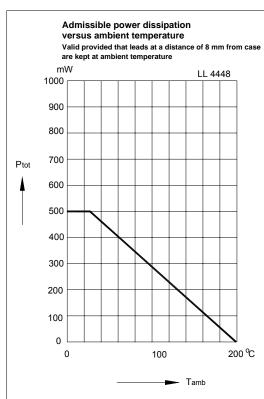


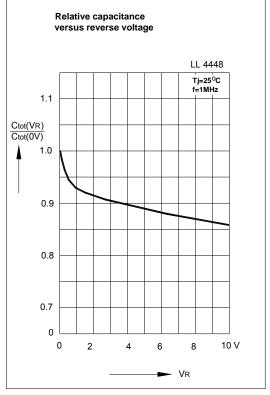














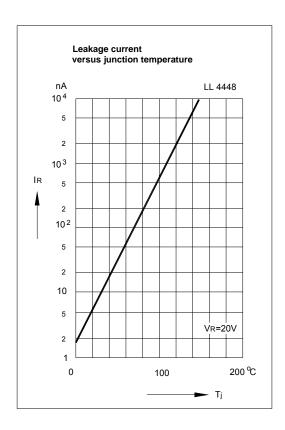
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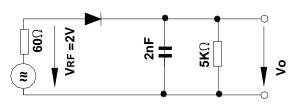
(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



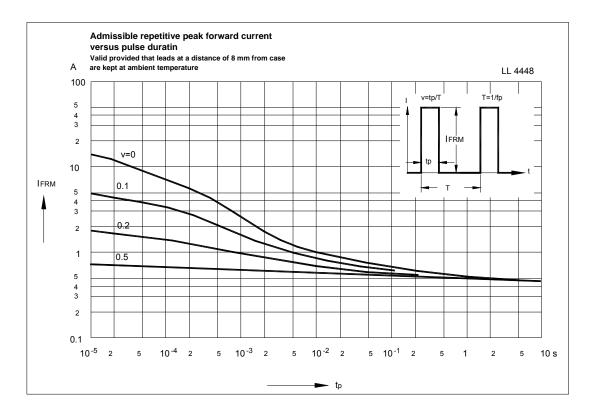








Rectification Efficiency Measurement Circuit





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