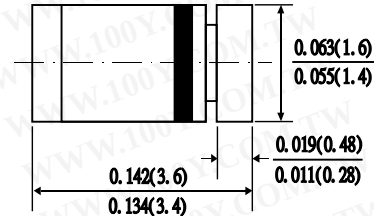


LL60 THRU LL60P SMALLE SIGNAL SCHOTTKY RECTIFIERS

FEATURES:

- Metal-on-silicon junction, majority carrier conduction
- High current capability, low forward voltage drop
- Ultra speed switching characteristics
- Extremely low reverse current I_R
- Satisfactory wave detection efficiency
- Small temperature coefficient of forward characteristics
- For use in Recorder/TV/RADIO/TELEPHONE as detectors, superhigh speed switching circuits, small current rectifier

MINI-MELF



MECHANICAL DATA

Case: MINIMELF glass case (sod-80)

Polarity: color band denotes cathode band

Weight: Approx 0.05 grams

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	LL60	LL60P	Units
Repetitive peak reverse voltage	V_{RRM}	20	30	Volts
Forward current at $T_a=25^\circ\text{C}$	I_O	30	50	mA
Peak forward surge current, $t=1\text{S}$	I_{FSM}	150	400	mA
Maximum instantaneous forward voltage drop at $I_F=1.0\text{mA}$ $I_F=30\text{mA}$ $I_F=200\text{mA}$	V_F	0.50	0.50	Volts
		1.0	1.0	
		1.0	1.0	
Maximum reverse current At $V_R=15\text{V}$ 25°C	I_R	5.0	10	μA
Typical junction capacitance (Note 1)	C_F	4.0	10	Pf
Typical Junction Ambient Thermal Resistance	$R_{\theta JT}$	350		$^\circ\text{C/W}$
Operating temperature range	T_J	-55 to +125		$^\circ\text{C}$
Storage temperature range	T_{stg}	-55 to +125		$^\circ\text{C}$

RATINGS AND CHARACTERISTIC CURVES LL60

FIG.1-FORWARD CURRENT VERSUS FORWARD VOLTAGE (TYPICAL VALUES)

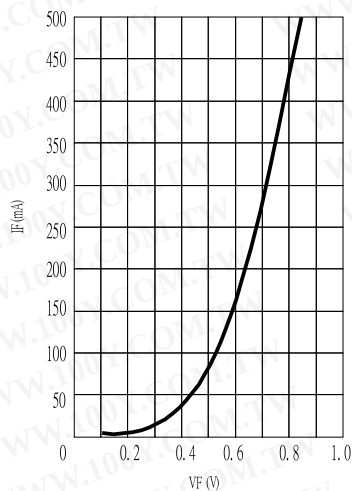


FIG.2-REVERSE CURRENT VERSUS CONTINUOUS REVERSE VOLTAGE

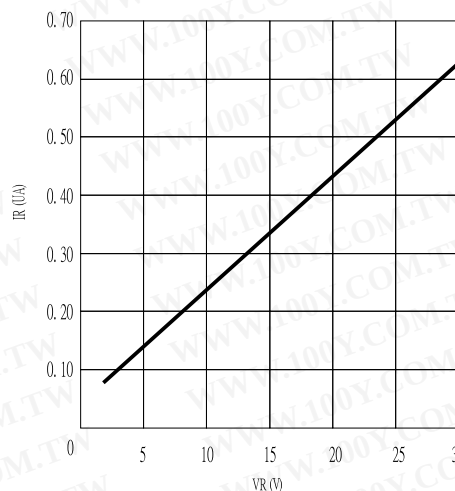
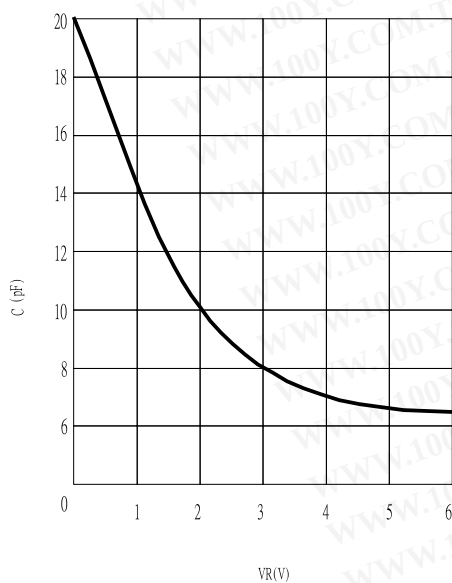


FIG.3-JUNCTION CAPACITANCE VERSUS CONTINUOUS REVERSE APPLIED VOLTAGE



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RATINGS AND CHARACTERISTIC CURVES LL60P

FIG.1-FORWARD CURRENT VERSUS FORWARD VOLTAGE (TYPICAL VALUES)

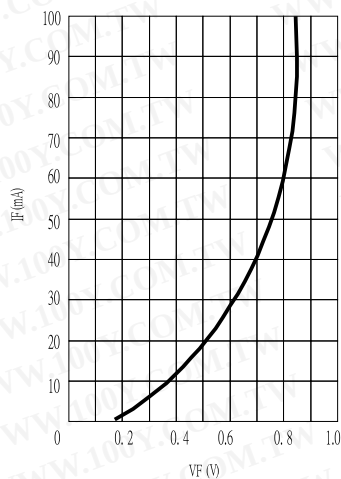


FIG.2-REVERSE CURRENT VERSUS CONTINUOUS REVERSE VOLTAGE

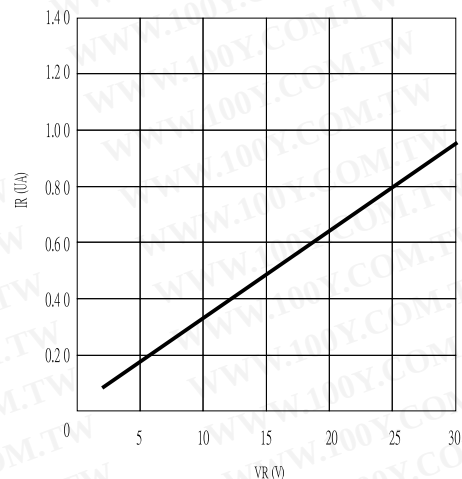
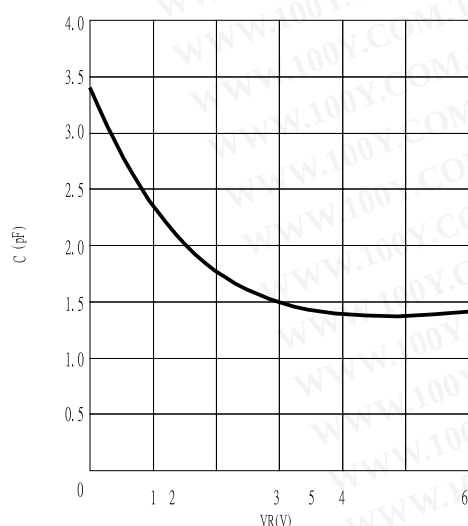


FIG.3-JUNCTION CAPACITANCE VERSUS CONTINUOUS REVERSE APPLIED VOLTAGE



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