

LL5712

$V_{RRM} : 20\text{ V}$

$I_O : 75\text{ mA}$

FEATURES :

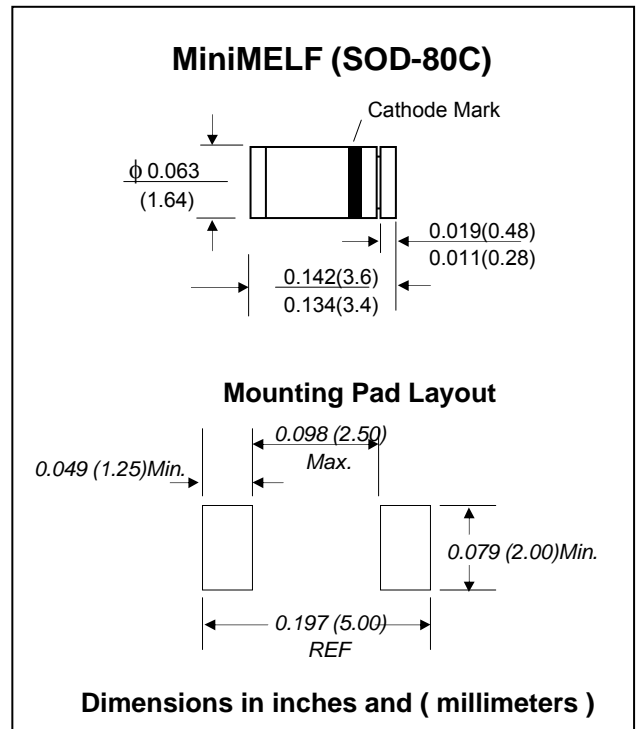
- For general purpose applications
- This diode is also available in the DO-35 case with type designation 1N5712
- Pb Free / RoHS Compliant

MECHANICAL DATA :

Case: MiniMELF Glass Case (SOD-80C)

Weight: approx. 0.05g

SCHOTTKY BARRIER DIODE



Maximum Ratings and Thermal Characteristics

(Rating at 25 °C ambient temperature unless otherwise specified)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	20	V
Maximum Operating Current at $T_C = 130\text{ °C}$	I_O	75	mA
Maximum Thermal Resistance at $L = 0\text{ inch}$	$R_{\theta JC}$	100	°C/W
Operating Junction Temperature	T_J	-65 to + 150	°C
Storage temperature range	T_{STG}	-65 to + 150	°C

Electrical Characteristics ($T_J = 25\text{ °C}$ unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R = 10\ \mu\text{A}$	20	-	-	V
Forward Voltage Drop	V_F	$I_F = 1\text{ mA}$	-	-	0.41	V
		$I_F = 35\text{ mA}$	-	-	1.0	V
Reverse Current	I_R	$V_R = 16\text{ V}$	-	-	150	nA
Diode Capacitance	C_T	$V_R = 0\text{ V}, f = 1\text{ MHz}$	-	-	2.0	pF

RATING AND CHARACTERISTIC CURVES (LL5712)

Fig.1 Typical forward characteristics

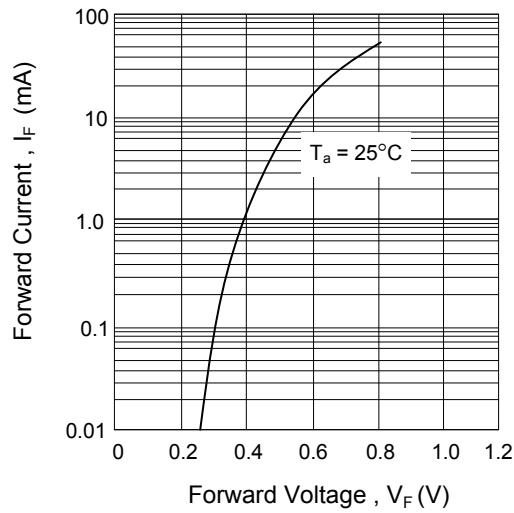


Fig.2 Typical reverse characteristics

