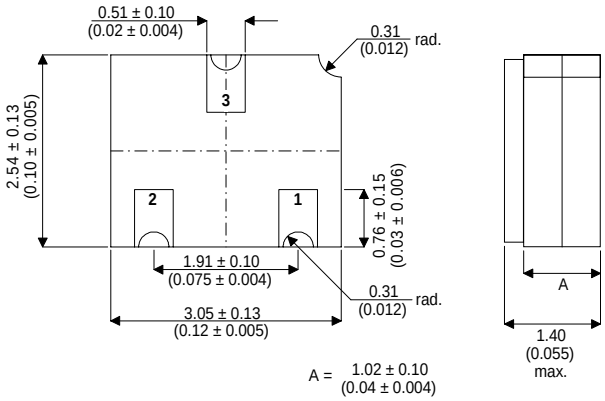
1N5711CSM

MECHANICAL DATA
Dimensions in mm (inches)



SOT23 CERAMIC
(LCC1 PACKAGE)

Underside View

PAD 1 — Anode PAD 2 — N/C PAD 3 — Cathode

SCHOTTKY DIODE IN HERMETIC CERAMIC SURFACE MOUNT PACKAGE FOR HIGH RELIABILITY APPLICATIONS

ABSOLUTE MAXIMUM RATINGS (T_{MB} = 25°C unless otherwise stated)

V_{RRM}	Repetitive Peak Reverse Voltage	70V
I_F	Forward Continuous Current T_A = 25°C	15mA
P_{tot}	Power Dissipation T_A = 25°C	430mW
T_{case}	Operating Temperature Range	–55 to +125°C
T_{stg}	Storage Temperature Range	–65 to +150°C
R_{th}	Junction–Ambient	400°C/W

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise stated)

	Parameter	Test Conditions		Min.	Typ.	Max.	Unit
I_{R*}	Reverse Current	T_{amb} = 25°C	V_R = 50V			0.2	µA
V_{F*}	Forward Voltage	T_{amb} = 25°C	I_F = 1mA			0.41	V
		T_{amb} = 25°C	I_F = 15mA			1	
$V_{(BR)}$	Breakdown Voltage	T_{amb} = 25°C	I_R = 10µA	70			V
C	Capacitance	T_{amb} = 25°C f = 1MH$_Z$	V_R = 0V			2	P^F
t	Effective Minority Carrier Lifetime	T_{amb} = 25°C	I_F = 5mA			100	ps

* Pulse test ≤ 300µs , δ ≤ 2%

Semelab plc. Telephone +44(0)1455 556565. Fax +44(0)1455 552612.
E-mail: sales@semelab.co.uk Website: http://www.semelab.co.uk

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