

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Small Surface Mounting Type
- Low Reverse Current and Low Forward Voltage
- High Reliability

MECHANICAL DATA

- Case: SOT-353, Molded Plastic
- Lead: Lead solderable per MIL-STD-202 method 208 guaranteed
- Polarity: See Diagrams Below
- Mounting position: Any

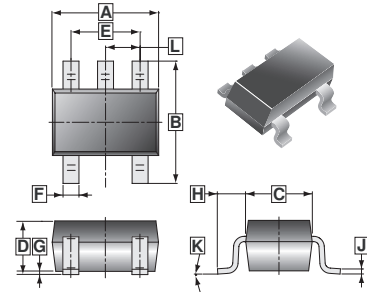
MARKING

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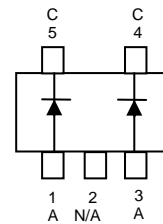
PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-353	3K	7 inch

SOT-353



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100	REF.
B	2.15	2.45	H	0.525	REF.
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			



ABSOLUTE MAXIMUM RATINGS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Ratings	Unit
Peak reverse voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Peak forward current	I_{FM}	1	A
Mean rectifying current	I_O	100	mA
Junction, Storage Temperature	T_J, T_{STG}	150, -55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C unless otherwise specified)

Parameters	Symbol	Min.	TYP.	Max.	Unit	Test Conditions
Forward Voltage	V_F	-	-	450	mV	$I_F = 10mA$
		-	-	600		$I_F = 100mA$
Reverse Current	I_R	-	-	1	μA	$V_R = 10V$
		-	-	5		$V_R = 40V$
Capacitance between terminals	C_T	-	6	-	pF	$V_R = 0, f = 1MHz$