

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

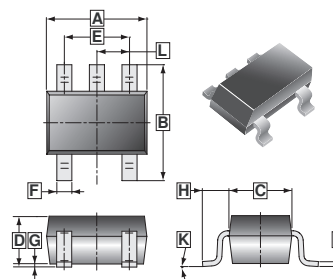
FEATURES

- Small Mold Type
- High Reliability
- Silicon Epitaxial Planar

PACKAGE INFORMATION

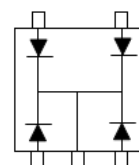
Package	MPQ	Leader Size
SOT-353	3K	7 inch

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			

Top View



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameters	Symbol	Rating	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	80	V
DC Blocking Voltage	V _R	80	V
Forward Continuous Current	I _{FM}	80	mA
Average Rectified Output Current	I _O	25	mA
Non-Repetitive Peak Forward Surge Current t=1.0s	I _{FSM}	250	mA
Operating Junction and Storage Temperature	T _J , T _{STG}	150, -55~150	°C

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

Parameters	Symbol	Min.	Max.	Unit	Test Conditions
Forward Voltage	V _F	-	0.9	V	I _F =5mA
Maximum DC Reverse Current at rated DC blocking voltage	I _R	-	0.1	µA	V _R =70V
Capacitance between terminals	C _T	-	3.5	pF	V _R =6V, f=1MHz
Maximum Reverse Recovery Time	T _{RR}	-	4	nS	I _F =5mA, V _R =6V, R _L =50Ω

CHARACTERISTIC CURVES

