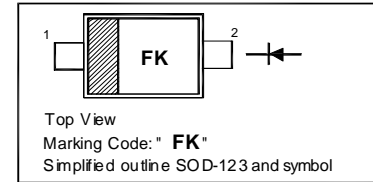


CRS01W

Surface Mount Schottky Barrier Diode

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

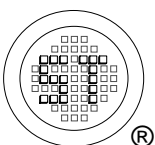


Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Average Forward Current	$I_{F(AV)}$	1.0	A
Non-Repetitive Peak One Cycle Surge Forward Current at 50 Hz	I_{FSM}	20	A
at 60 Hz		22	
Junction Temperature Range	T_j	- 40 to + 125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 40 to + 125	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

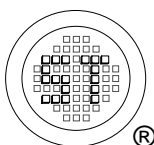
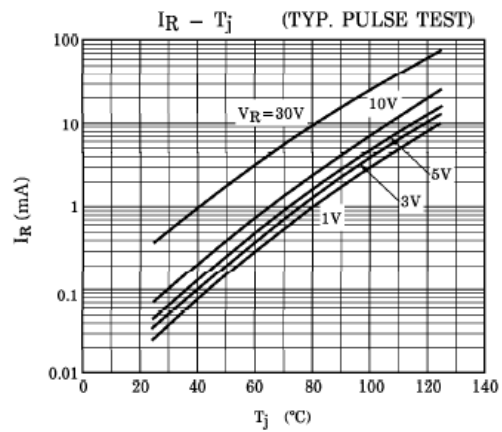
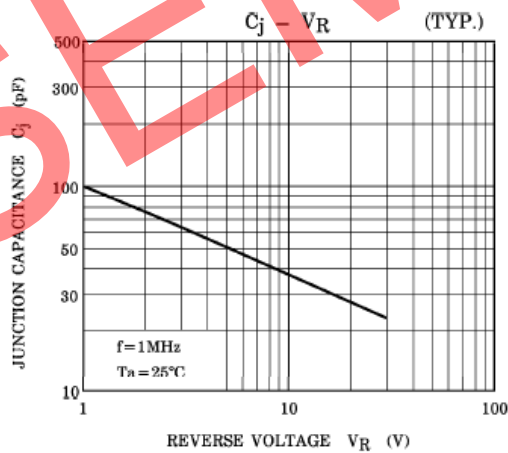
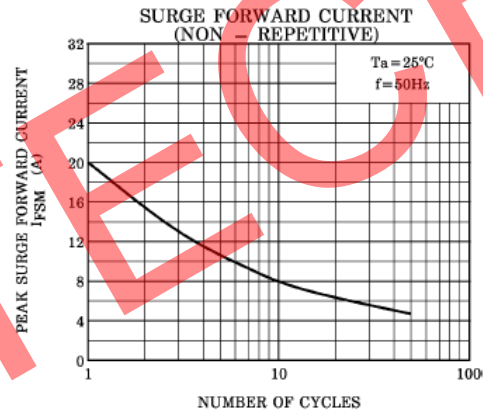
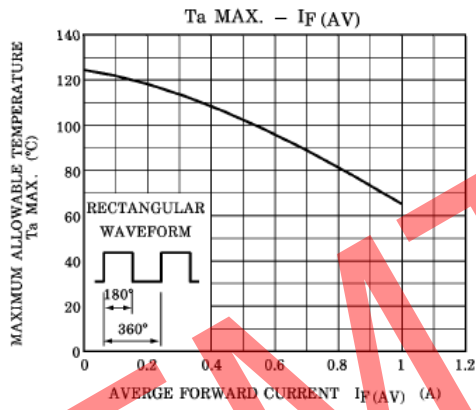
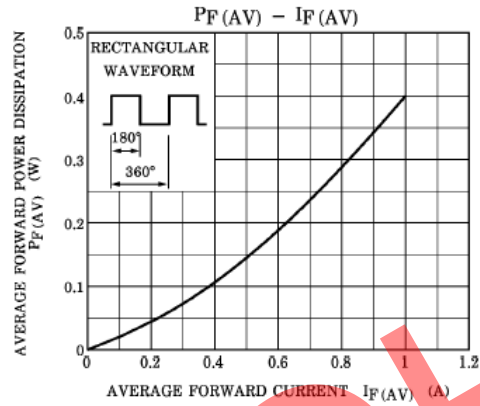
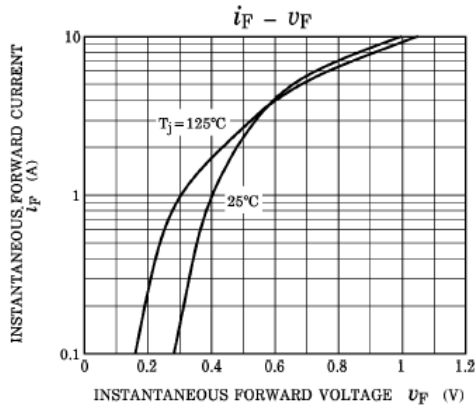
Parameter	Symbol	Typ.	Max.	Unit
Peak Forward Voltage at $I_{FM} = 0.1\text{ A}$ at $I_{FM} = 0.7\text{ A}$ at $I_{FM} = 1\text{ A}$	V_{FM}	0.25	-	V
		0.33	0.37	
		0.36	-	
Repetitive Peak Reverse Current at $V_{RRM} = 30\text{ V}$	I_{RRM}	-	1.5	mA
Junction Capacitance at $V_R = 10\text{ V}$, $f = 1\text{ MHz}$	C_J	40	-	pF



SEMTECH ELECTRONICS LTD.
 Subsidiary of Sino-Tech International (BVI) Limited



Dated : 27/09/2010 Rev:01



SEMTECH ELECTRONICS LTD.
 Subsidiary of Sino-Tech International (BVI) Limited

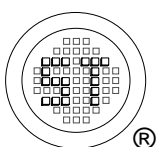
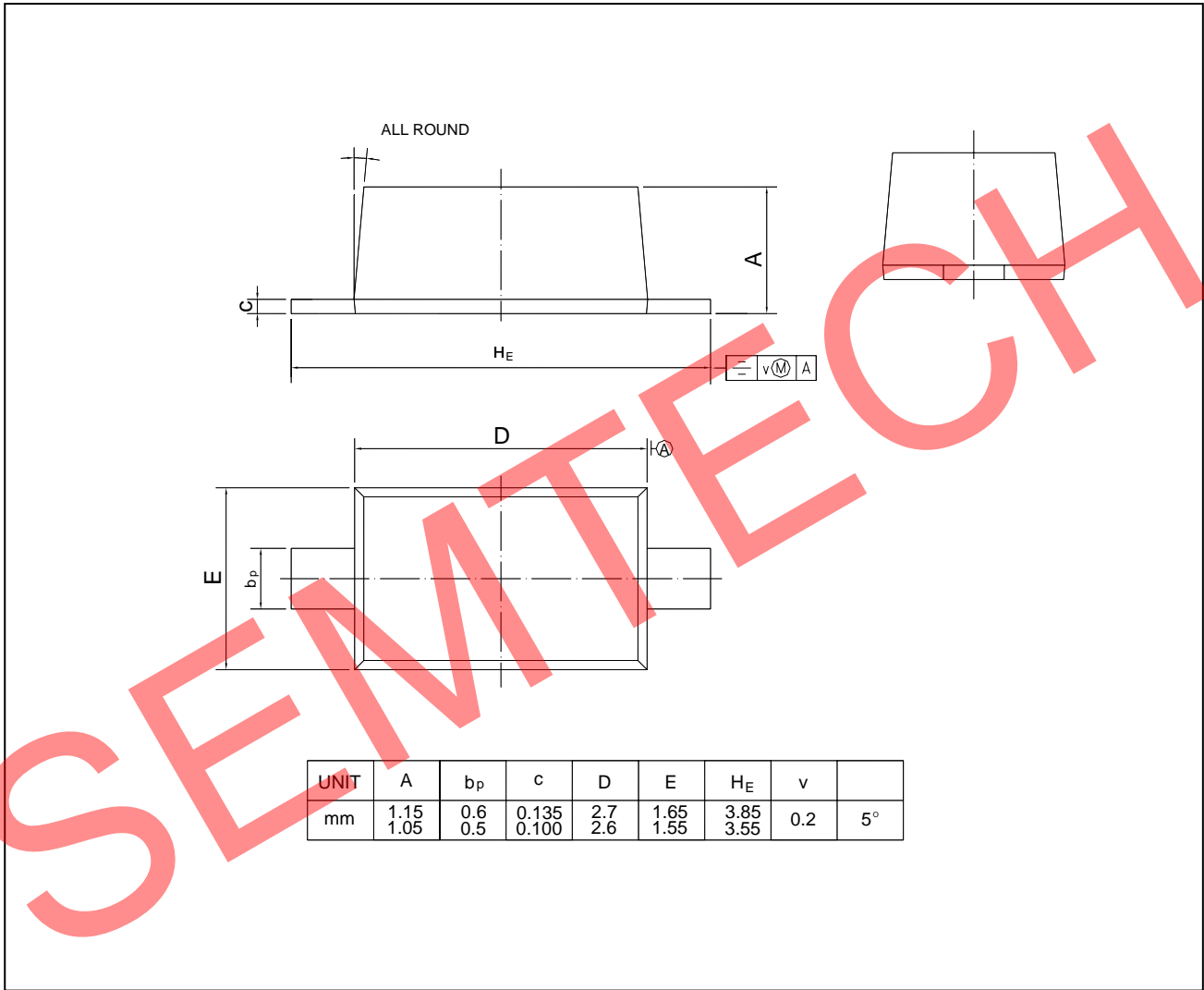


CRS01W

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



SEMTECH ELECTRONICS LTD.
Subsidiary of Sino-Tech International (BVI) Limited



Dated : 27/09/2010 Rev:01