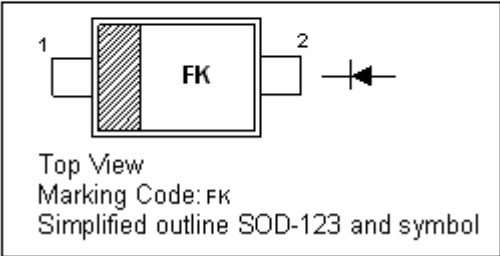


CRS01W

SCHOTTKY BARRIER RECTIFIER DIODE

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

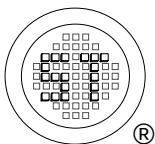


Absolute Maximum Ratings (T_a = 25°C)

	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 50Hz At 60Hz	I _{FSM} I _{FSM}	20 22	A
Junction Temperature Range	T _j	-40 to +125	°C
Storage Temperature Range	T _s	-40 to +125	°C

Characteristics at T_{amb} = 25°C

	Symbol	Min.	Typ.	Max.	Unit
Peak Forward Voltage at I _{FM} = 0.1A at I _{FM} = 0.7A at I _{FM} = 1.0A	V _{FM} V _{FM} V _{FM}	- - -	0.25 0.33 0.36	- 0.37 -	V
Repetitive Peak Reverse Current at V _{RRM} = 30V	I _{RRM}	-	-	1.5	mA
Junction Capacitance at V _R = 10V, f = 1MHz	C _J	-	40	-	pF
Thermal Resistance On ceramic substrate On glass-epoxy substrate	R _{th(j-a)}	- -	- -	70 140	°C/W



SEMTECH ELECTRONICS LTD.
(Subsidiary of Sino-Tech International Holdings Limited, a company
listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002
Certificate No. 05103

ISO 14001:2004
Certificate No. 7116

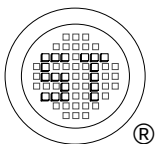
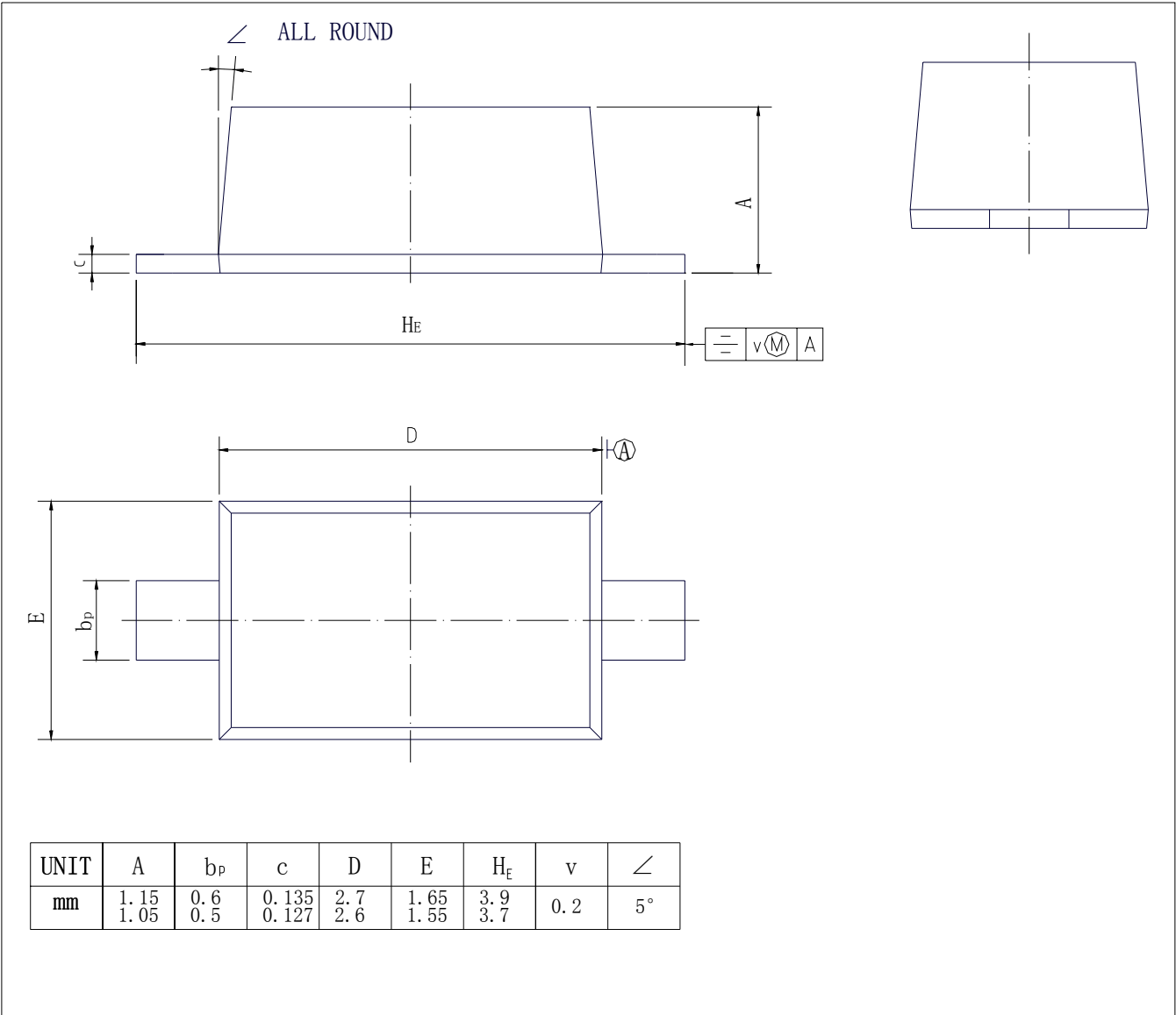
ISO 9001:2000
Certificate No. 0506098

Dated : 21/05/2005

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



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Dated : 21/05/2005