



RECTRON

SEMICONDUCTOR

TECHNICAL SPECIFICATION

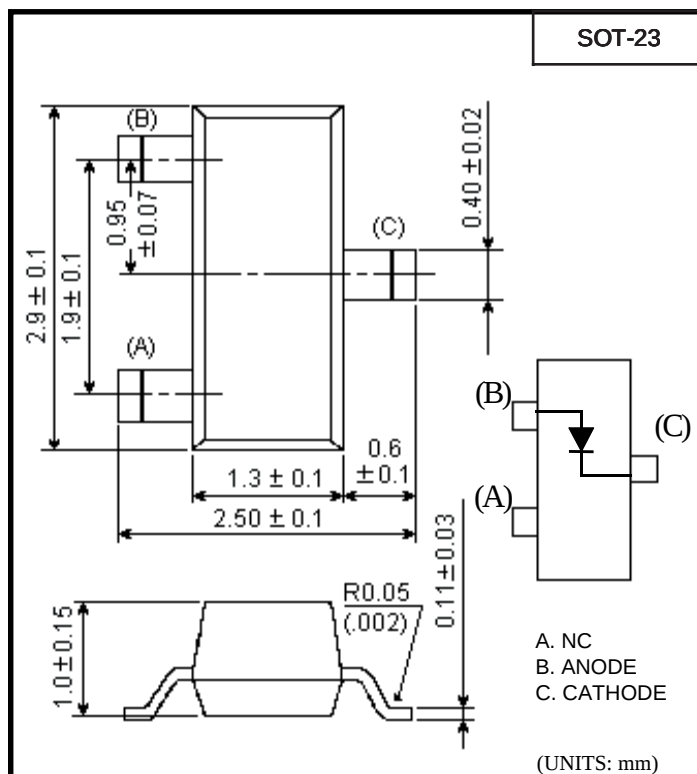
CMBD4148

Absolute Maximum Ratings (Ta=25°C)

ITEMS	Symbol	Ratings	Unit
Reverse Voltage	VR	75	V
Peak Current 1s / 1us	Ifsm	0.5 / 4	A
Forward Voltage @ If = 10 mA	VF	1.0	V
Forward Current	IF	215	mA
Junction Temp.	Tj	-55 to 150	°C
Storage Temp.	Tstg	-55 to 150	°C

Mechanical Data

ITEMS	Materials
Package	SOT-23
Lead Frame	42 Alloy
Lead Finish	Solder Plating
Bond Wire	Au
Mold Resin	Epoxy
Chip	Silicon



Electrical Characteristics (Ta=25°C)

RATINGS	SYMBOL	RATINGS	UNIT
Minimum Reverse Breakdown Voltage IR= 100uA	VBR	100	V
Continuous Reverse Voltage	VR	75	V
Forward Voltage IF= 10 mA	VF	1.0	V
Reverse Current VR= 20V VR= 75V	IR	.025 5	uA
Junction Capacitance VR = 0 V, f = 1MHz	Cj	2	pF
Reverse Recovery Time IF= IR= 10mA; RL= 100 ohms	trr	4	ns
Thermal Resstance (junction to ambient)	RθJA	500	°C/W