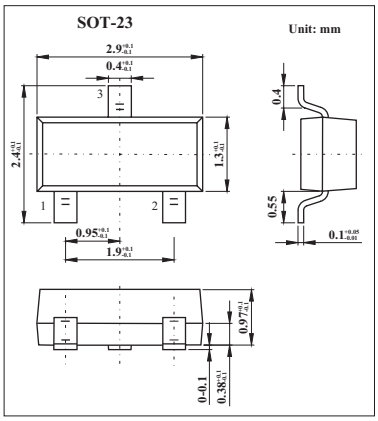
TY Semicondutor®

Product specification

1SV128



■ Features

● Small Total Capacitance : C_T = 0.25 pF(Typ.)

■ Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	50	V
Forward Current	I_F	50	mA
Junction Temperature	T_j	125	℃
Storage temperature	T_{stg}	-55 to +125	℃

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	I_R = 10 μA	50			V
Reverse Current	I_R	V_R = 50 V			0.1	μA
Forward Voltage	V_F	I_F = 50 mA		0.95		V
Total Capacitance	C_T	V_R =50 V, f = 1 MHz		0.25		pF
Series Resistance	r_s	I_F = 10 mA, f = 100 MHz		7		Ω
Minority Carrier Life Time	τ	I_F = 10 mA, I_R = 6 mA		400		ns

■ Marking

Marking	BB