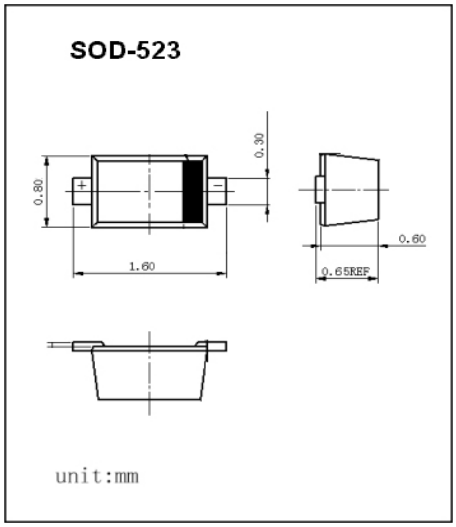
Transys Electronics LIMITED

SOD-523 Plastic-Encapsulated Diodes

BAS516 Switching Diodes



FEATURES

- Small surface mounting type
- High switching speed

Marking: 61

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25℃

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	75	V
Mean rectifying current	I_O	250	mA
Peak forward surge current	I_{FSM}	0.5	A
Junction temperature	T_j	150	℃
Storage temperature	T_{stg}	-65~+150	℃

Electrical Ratings @T_A=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.715 0.855 1 1.25	V	I_F=1mA I_F=10mA I_F=50mA I_F=150mA
Reverse current	I_R			0.03 1	μA	V_R=25V V_R=75V
Capacitance between terminals	C_T			1	pF	V_R=0, f=1MHZ
Reverse recovery time	t_{rr}			4	ns	I_F=10mA, R_L=100Ω