



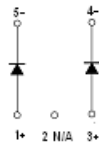
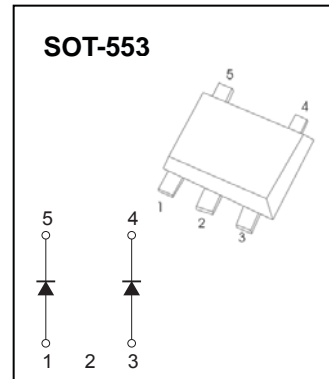
SOT-553 Plastic-Encapsulate Diodes

RB480V

SCHOTTKY BARRIER DIODE

FEATURES

- Low current rectification
- High reliability



MARKING: 3T

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse	V_R	40	V
Peak forward current	I_{FM}	1	A
Mean rectifying current	I_o	0.1	A
Power Dissipation	P_d	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	667	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			450 600	mV	$I_F=10mA$ $I_F=100mA$
Reverse current	I_R			1 5	μA	$V_R=10V$ $V_R=40V$
Capacitance between terminals	C_T		6	25	pF	$V_R=0V$ $V_R=10V, f=1MHz$