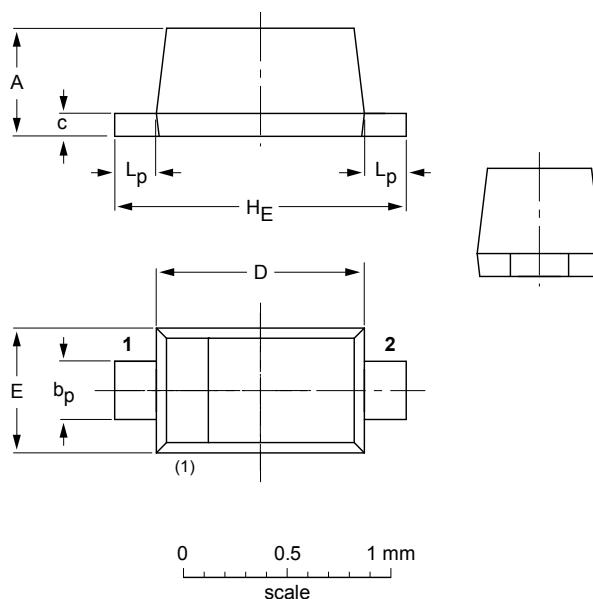


FEATURES

- Small surface mounting type
- High reliability

MARKING: F

SOD-723



DIMENSIONS (mm are the original dimensions)

UNIT	A	b _p	c	D	E	H _E	L _p
mm	0.55 0.49	0.32 0.25	0.15 0.08	1.05 0.95	0.65 0.55	1.45 1.35	0.27 0.13

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

Parameter	Symbol	Limit	Unit
DC reverse voltage	V _R	30	V
Mean rectifying current	I _O	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	I _{FSM}	1	A
Power dissipation	P _D	100	mW
Thermal Resistance Junction to Ambient	R _{θJA}	1000	°C/W
Operating Junction Temperature Range	T _j	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

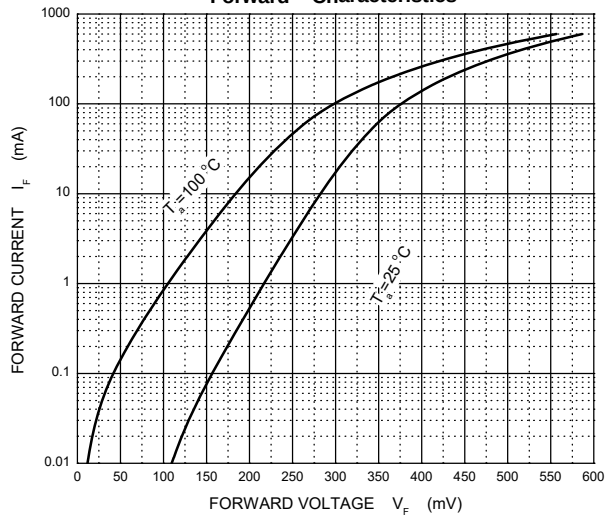
RB521G-30

Electrical Ratings @Ta=25°C

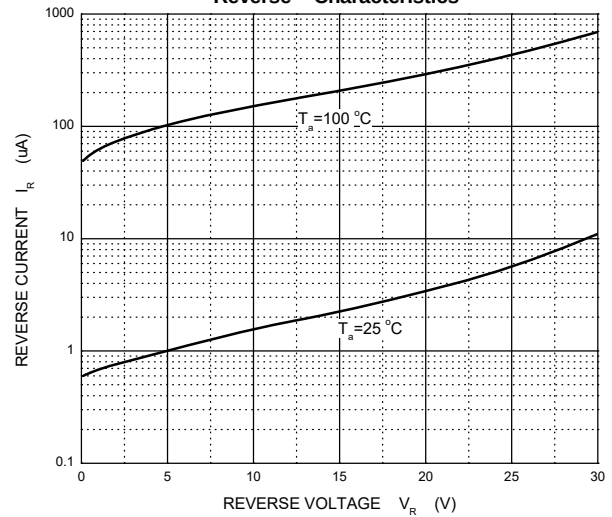
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V _{F1}			0.35	V	I _F =10mA
	V _{F2}			0.5	V	I _F =200mA
Reverse current	I _R			10	μA	V _R =10V

RATING AND VCHARACTERISTIC CURVES(RB521G-30)

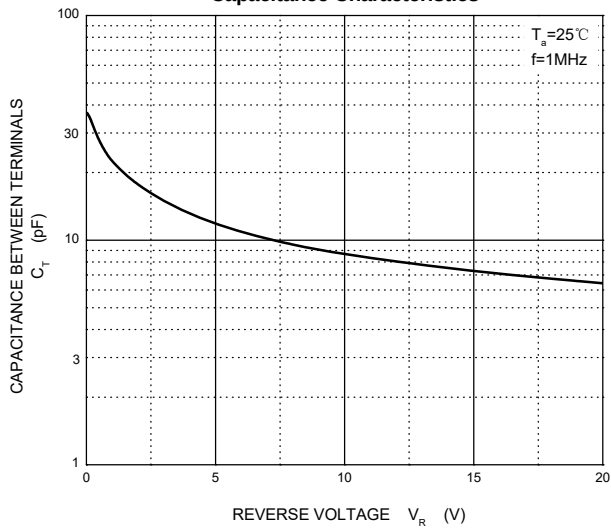
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

