

SWITCHING DIODES

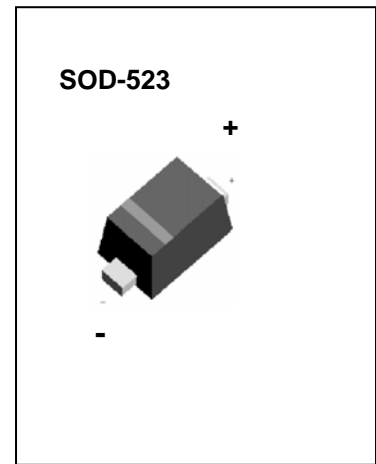
PRODUCT SUMMARY

SOD-523 Plastic-Encapsulate Diodes

FEATURES

Small surface mounting type
High switching speed

 **Pb-free; RoHS-compliant**



MARKING: 61

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

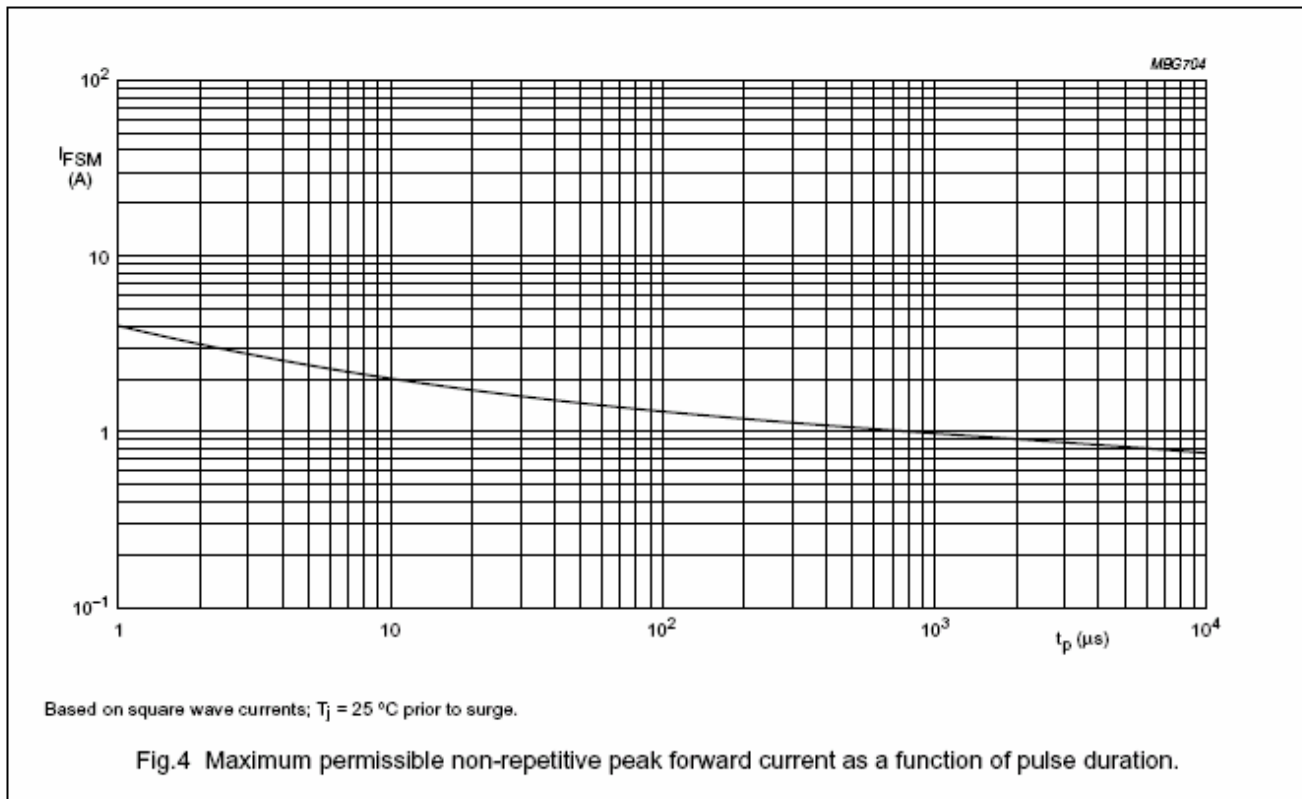
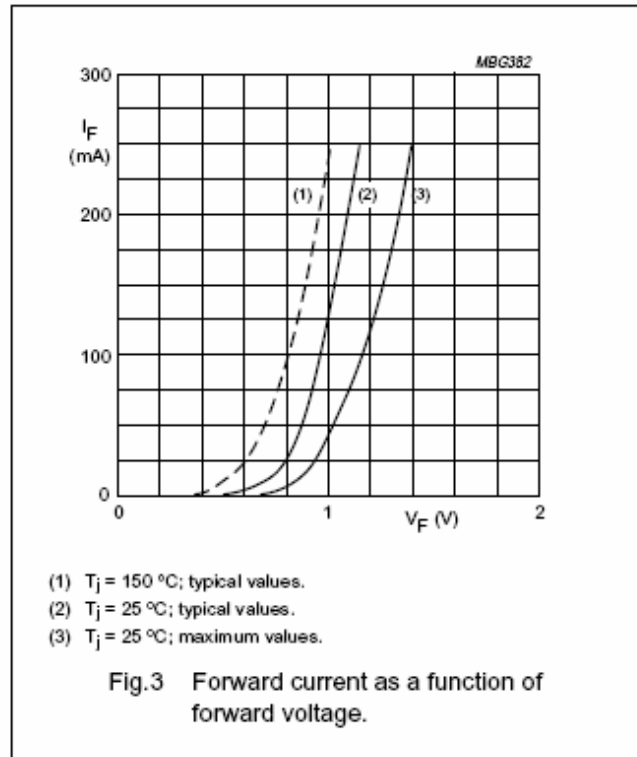
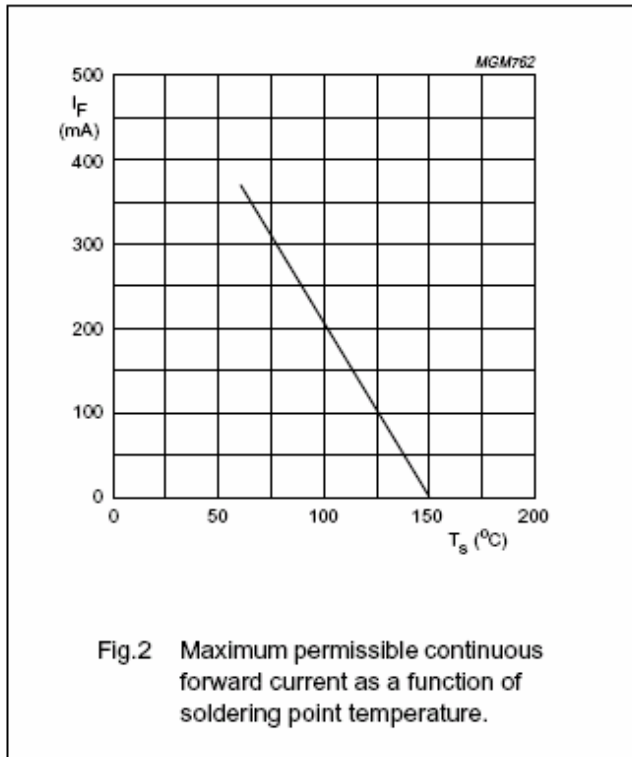
Single Diode @T_A=25 °C

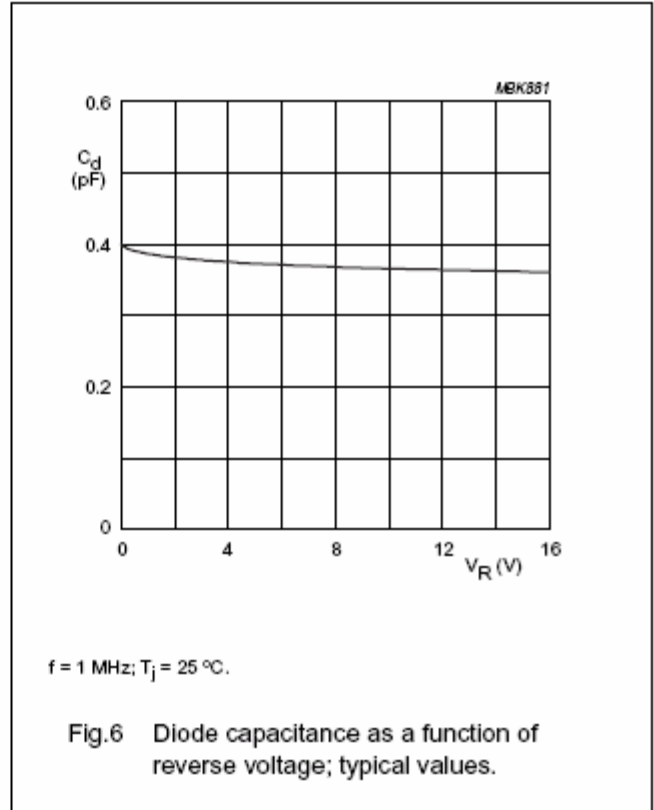
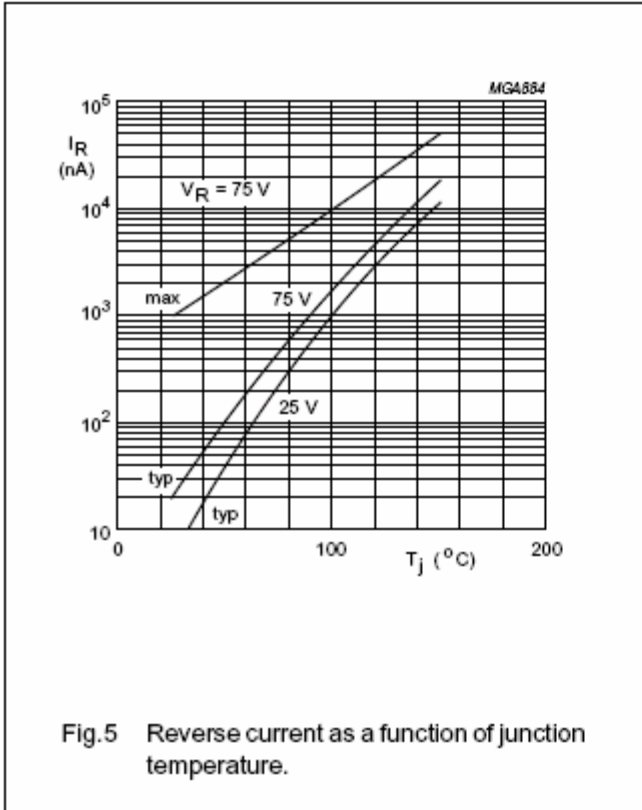
Parameter	Symbol	Limits	Unit
DC reverse voltage	V _R	75	V
Mean rectifying current	I _O	250	mA
Peak forward surge current	I _{FSM}	0.5	A
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-65~+150	°C

ELECTRICAL RATINGS @T_A=25 °C

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

TYPICAL CHARACTERISTICS





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