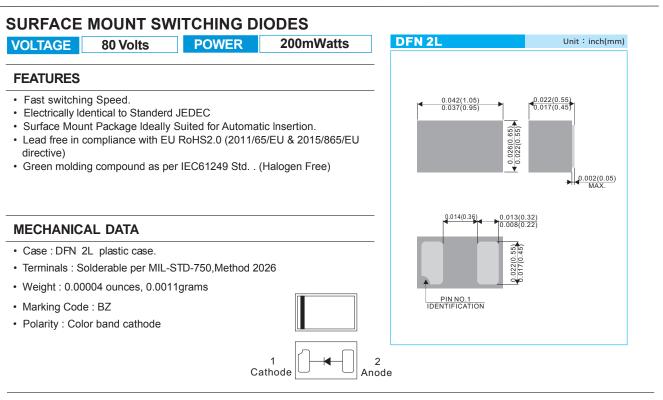


1SS387FN2



ABSOLUTE RATINGS (T_{Δ} =25°C, unless otherwise noted)

PARAMETER	SYMBOL	1SS387FN2	UNITS
Reverse Voltage	V _R	80	V
Peak Reverse Voltage	V _{RRM}	85	V
Maximum DC Blocking Voltage	V _{DC}	80	V
Maximum Average Forward Current at T $_{\rm A}$ =25 $^{\rm o}$ C	I _{F(AV)}	150	mA
Peak Forward Surge Current, @ 8.33ms AC Half Wave @ 10ms AC Half Wave	I _{FSM}	2.5 2.3	A
Power Dissipation Derate Above 25 °C	P _D	300	mW
Operating Junction and Storage Temperature Range	T_J,T _{STG}	-55 to +150	°C

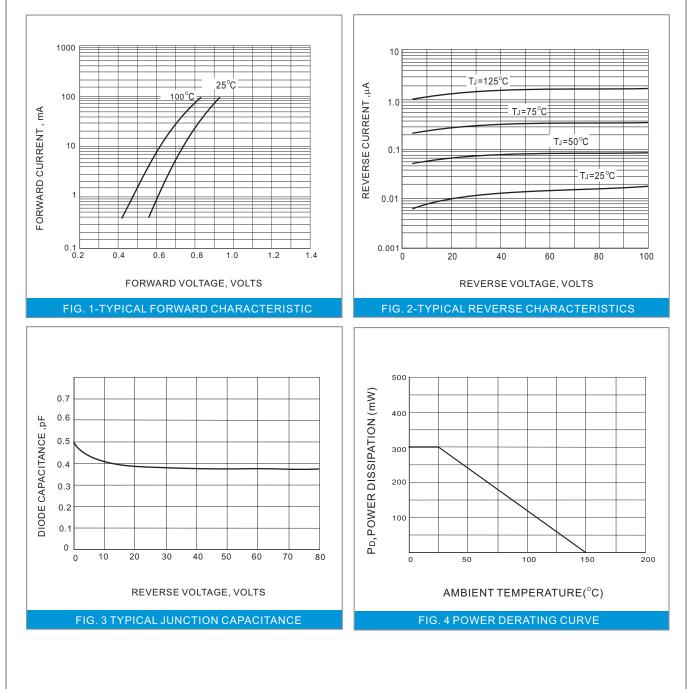
THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	1SS387FN2	UNITS
Typical Thermal Resistance	ICE R _{UJA}		°C / W



ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}C$, unless otherwise noted)

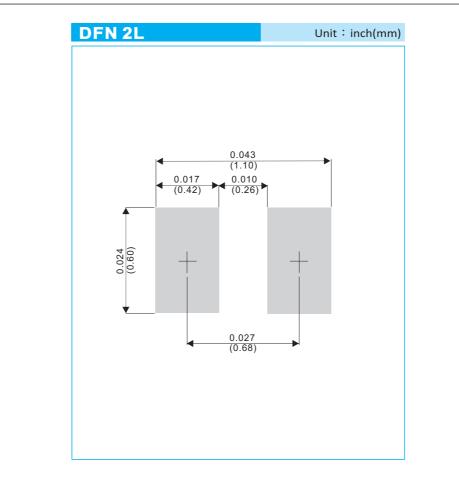
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TPY	MAX	UNITS
Maximum Forward Voltage	V _F	IF=1mA IF=10mA IF=100mA	-	0.62 0.75 0.98	0.715 0.855 1.2	V
Reverse Leakage Current	l r	V _R =30V V _R =80V	-		0.1 0.5	μA
Maximum Total Capacitance	C _T	V _R =0V, f=1MHz	-	0.5		pF
Maximum Reverse Recovery Time	t _{rr}	I	-	1.6		ns





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MOUNTING PAD LAYOUT

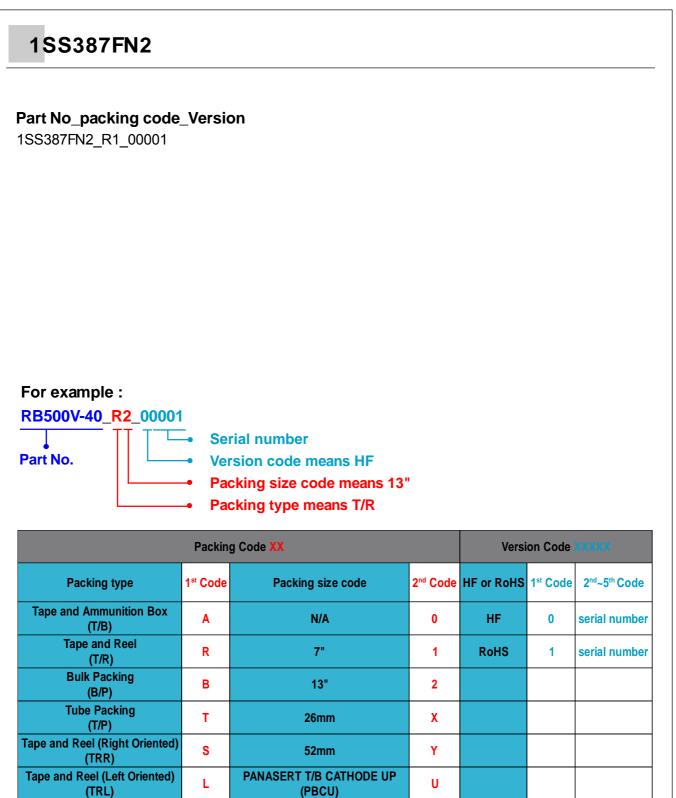


ORDER INFORMATION

Packing information

T/R -8K per 7" plastic Reel





PANASERT T/B CATHODE DOWN

(PBCD)

D

FORMING

F





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