

ABSOLUTE MAXIMUM RATINGS (If not specified TA=25°C)

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Peak Repetitve Reverse Voltage	V _{RRM}	100	v
Maximum RMS Reverse Voltage	V _{RMS}	71	v
Maximum DC Blocking Voltage	V _{DC}	100	v
Maximum Average Forward Current	I _{F(AV)}	1	А
Non-Repetitive Peak Surge Current (Surge applied at rate Load conditions halfware, single phase, 60Hz)	I _{fsm}	30	А
Maximum Thermal Resistance (Note 1)	$R_{_{\theta JA}}$	85	°C/W
Typical Thermal Resistance (Note 2)	R _{eja}	145	°C/W
Typical Thermal Resistance(Note 1)	R _{ejc}	35	°C/W
Operating Junction and Storage Temperature Range	Tj,Tstg	-50 to +125	°C

NOTE :

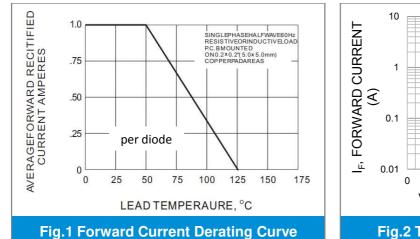
1.Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area

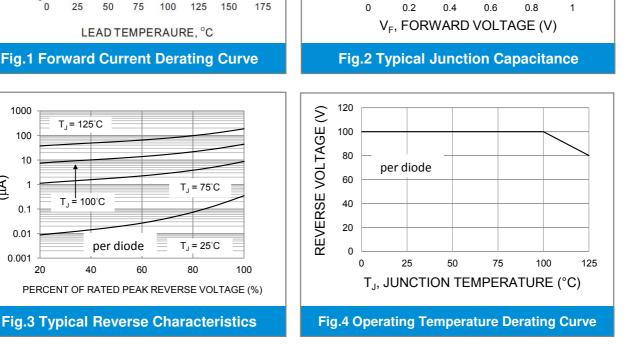
2.Mounted on a FR4 PCB, single-sided copper, mini pad



ELECTRICAL CHARACTERISTICS (If not specified TA=25°C)

PARAMETER	SYMBOL	CONDITIONS	MIN.	TYP.	MAX.	UNIT
Reverse Current	l r	V _R =100V	-	0.3	10	А
Reverse Breakdown Voltage	V(BR)R	I R=150 A	100	115	-	V
Forward Voltage	VF	I г=500мА	-	650	700	mV
Forward Voltage	VF	I F=1A	-	730	750	mV
Typical Junction Capacitance	CJ	VR=4V,f=1MHz	-	85	-	рF





T₁ = 125°C

= 100°C т.

T_{.1} = 75°C

per diode

T_I = 25°C

1000

100

10

0.1

0.01

0.001

20

T_{.1}= 125°C

T_J = 100°C

40

per diode

60

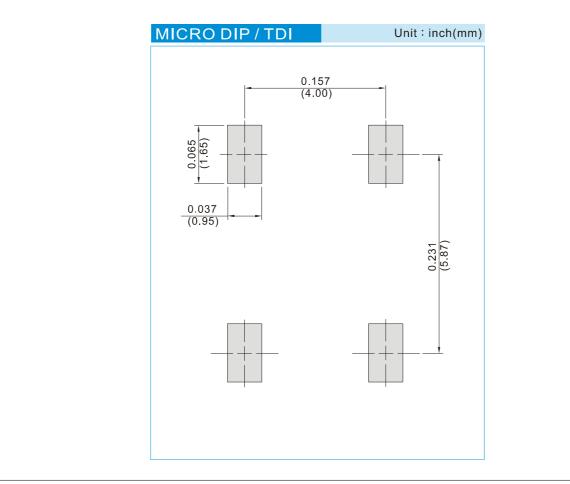
REVERSE CURRENT

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(HA) 1



MOUNTING PAD LAYOUT



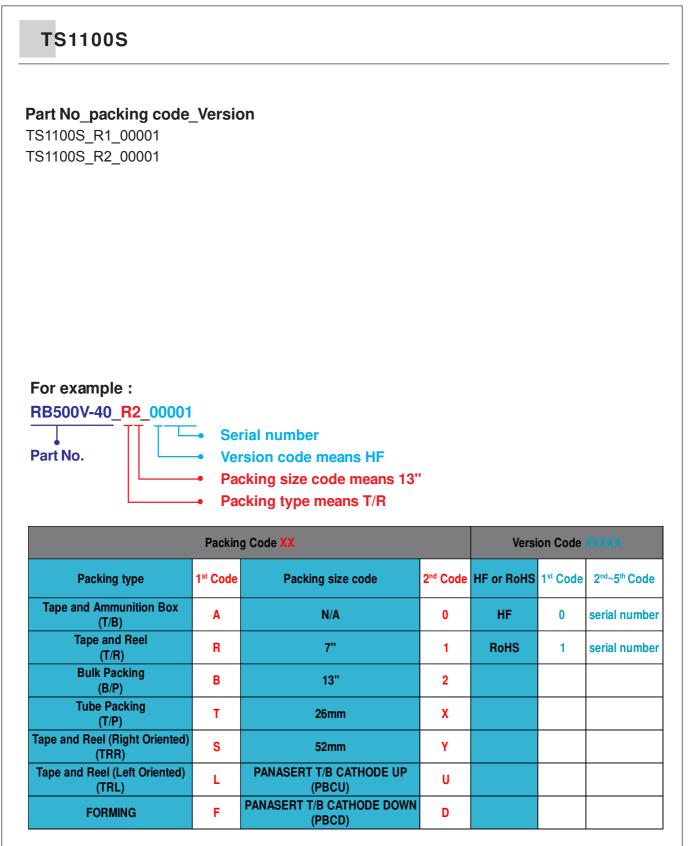
ORDER INFORMATION

Packing information

T/R - 4K per 13" plastic Reel

T/R - 1K per 7" plastic Reel







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