

TPPMEG3001EEFZ Schottky barrier diode

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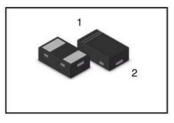
Features

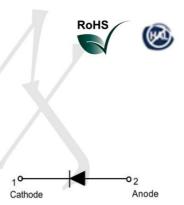
Applications

Low current rectification

- * Average forward current: $I_{F(AV)}\ 100\ mA$
- Reverse voltage: V_R 30 V
- Low forward voltage: V_F 500 mV @10mA
- Low reverse current: $I_R 0.7 \mu A$
- Leadless ultra small SMD plastic package
- We declare that the material of product compliance with RoHS requirements and Halogen Free

DFN0603(0201)





Absolute Maximum Ratings (Tamb=25°C unless otherwise specified)

Symbol	Limits	Unit
VR	30	V
I _{FM}	200	mA
lo	100	mA
I _{FSM}	2	A
Tj	125	°C
T _{STG}	-40~+125	°C
	V _R I _{FM} Io Irsm Tj	VR 30 IFM 200 Io 100 IFSM 2 Tj 125

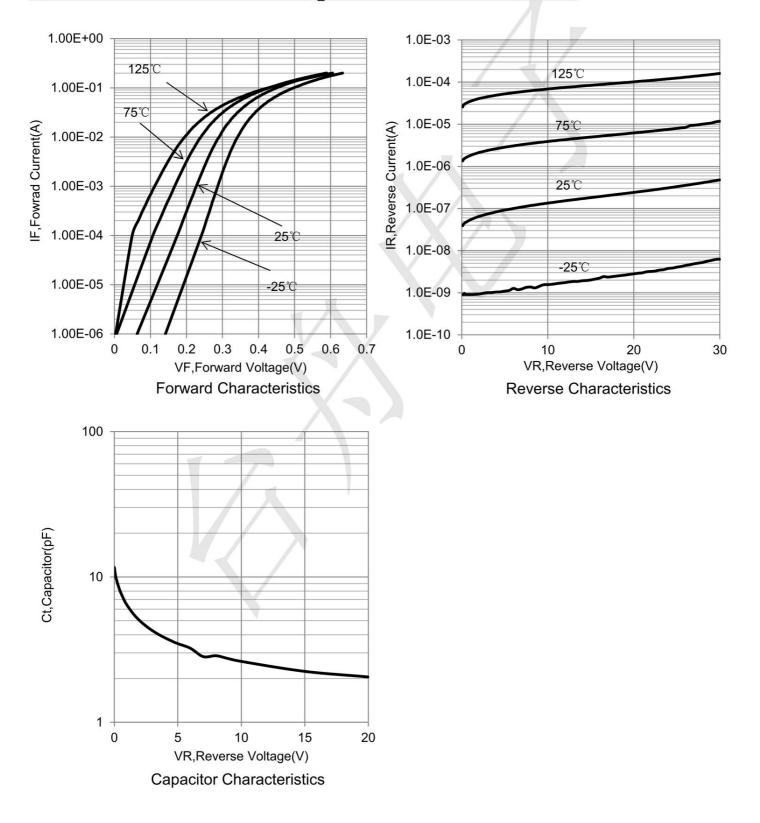
Electrical Characteristics (TA=25°C unless otherwise specified)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
		-	0.38	0.5	V	l⊧=10mA
Forward voltage	VF	-	0.53	0.6	V	I _F =100 mA
Reverse current			0.35	μA	V _R =10V	
				0.7	μΑ	V _R =30V
Total capacitance	Ct	-	8		pF	V _R = 0 V, f = 1 MHz



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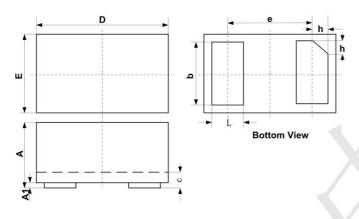
Typical Performance Characteristics (T_A=25°C unless otherwise Specified)



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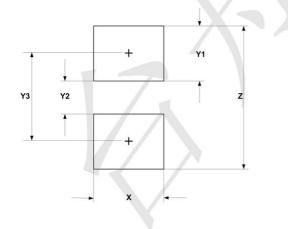
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DFN0603-2 Package Outline Drawing (0201)



	DIMENSIONS			
	MILLIMETERS			
SYM	MIN	NOM		MAX
A	0.230	0.300		0.330
A1	0.000	0.020		0.050
b	0.215	0.245		0.275
с	0.120	0.150		0.180
D	0.550	0.600		0.650
е	0.355 BSC			
E	0.250	0.300		0.350
L	0.160	0.190		0.220
h	0.079 BSC			

Suggested Land Pattern



SYM	DIMENSIONS				
3111	MILLIMETERS	INCHES			
х	0.30	0.012			
Y1	0.25	0.010			
Y2	0.15	0.006			
Y3	0.40	0.016			
Z	0.65	0.026			

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