

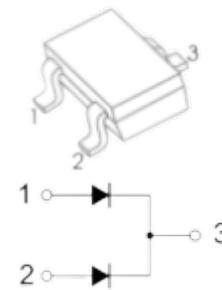
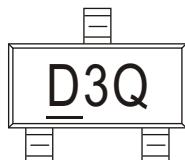
FEATURES

- Small Surface Mounting Type
- Low Forward Voltage
- Low Reverse Current
- High Reliability

APPLICATIONS

- General Rectification

MARKING: D3Q



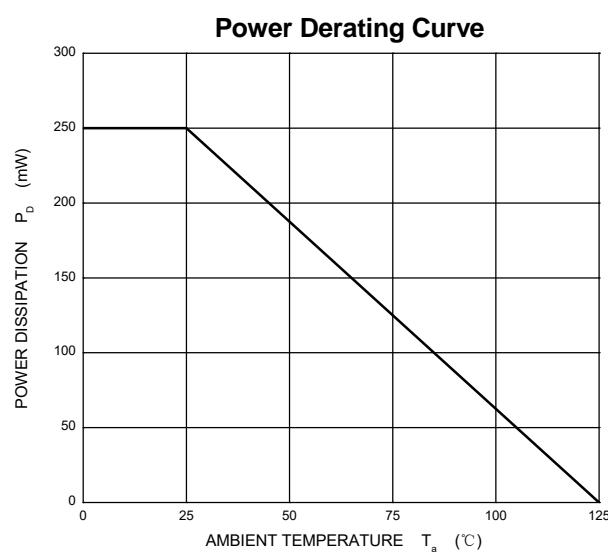
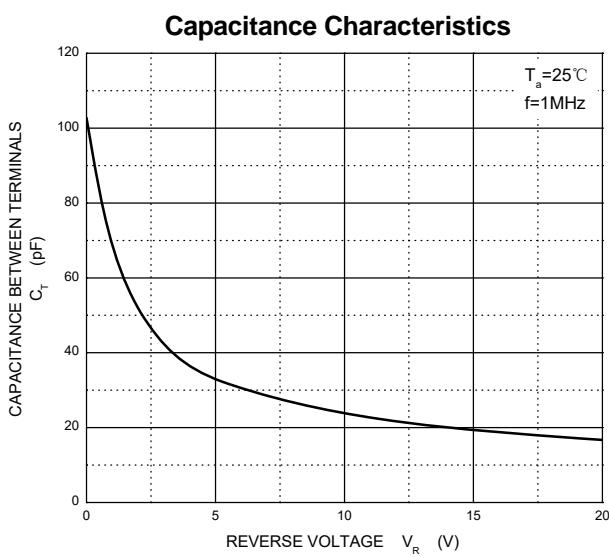
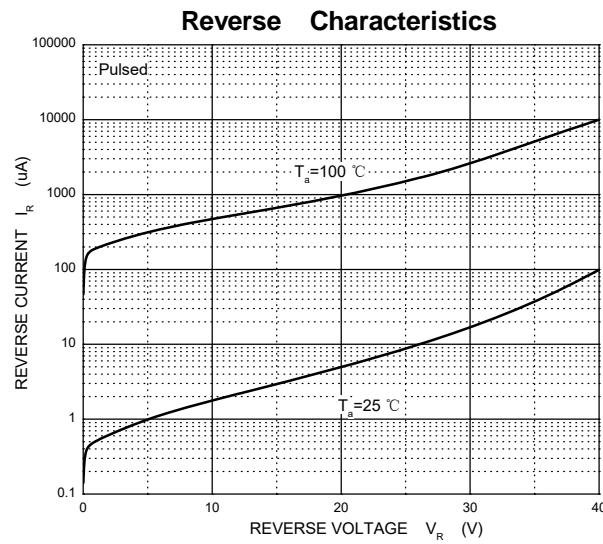
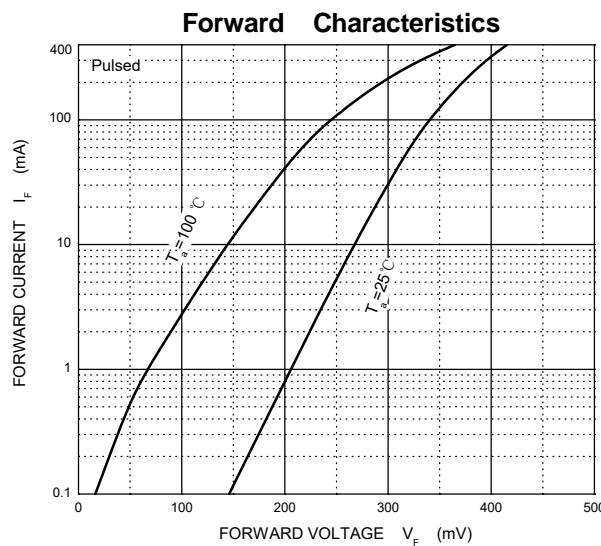
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MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Peak Repetitive Reverse Voltage	40	V
V_{RWM}	Working Peak Reverse Voltage		
$V_{R(\text{RMS})}$	RMS Reverse Voltage	28	V
I_o	Continuous Forward Current	400	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	2	A
P_D	Power Dissipation	250	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	400	$^\circ\text{C/W}$
T_J	Operating Junction Temperature Range	-40 ~ +125	$^\circ\text{C}$
T_{stg}	Storage Temperature Range	-55 ~ +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS($T_a=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(\text{BR})}$	$I_R=100\mu\text{A}$	25			V
Reverse current	I_R	$V_R=25\text{V}$			70	μA
Forward voltage	V_F	$I_F=10\text{mA}$			0.3	V
		$I_F=200\text{mA}$			0.5	



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