Schottky Barrier Diode









DFN1006-2

Features:

- · Low Forward Voltage
- · Guard Ring Construction For Transient Protection
- Negligible Reverse Recovery Time
- · Low Reverse Capacitance

Applications:

· Schottky Barrier Switching

Maximum Ratings:

Ratings at 25°C unless otherwise specified.

Characteristic	Symbol	Value	Unit
Repetitive peak reverse voltage	VR	40	V
RMS reverse voltage	VR(RMS)	28	V
Forward continuous current	lF	350	mA
Repetitive peak forward current at t ≤1s	IFRМ	1.5	А
Power dissipation	Po	200	mW
Thermal resistance junction to ambient	RөJA	300	°C/W
Operating and storage temperature range	Тј, Тѕтс	-65 to +125	°C





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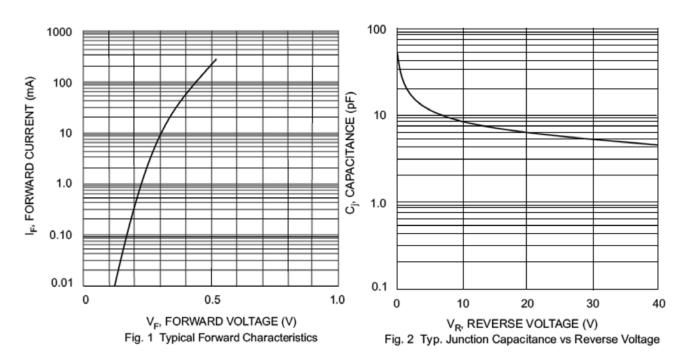
Electrical Characteristics:

Ratings at 25°C unless otherwise specified

Characteristic	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Reverse breakdown voltage	V _{(BR)R}	40	-	-	V	Iκ=10μA
Forward voltage	Vf	-	-	0.37 0.6	V	I⊧=20mA I⊧=200mA
Reverse current	lгм	-	-	5	μA	V _R =30V
Capacitance between terminals	Ст	-	50	-	pF	V _R =0V, f=1MHz
Reverse recovery time	trr	-	10	-	ns	IR=IF=200mA, Irr=0.1 × IR, RL=100Ω

Typical Characteristics:

T_A = 25°C unless otherwise specified



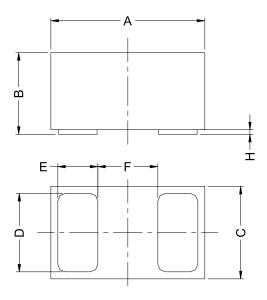


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Package Outline:

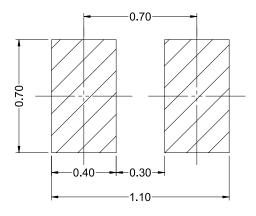
Plastic surface mounted package



DFN1006-2				
Dim.	Min.	Тур.	Max.	
Α	0.95	1	1.075	
В	0.47	0.5	0.53	
С	0.55	0.6	0.675	
D	0.45	0.5	0.55	
Е	0.2	0.25	0.3	
F	-	0.4	-	
Н	0	0.03	0.05	

Dimensions: Millimetres

Soldering Footprint:



Dimensions: Millimetres

Package Information:

Device	Package	Shipping
SDM20U30LP-7	DFN1006-2	5,000 / Tape & Reel

Part Number Table

Description	Part Number
Schottky Barrier Diode	BAT54LP-7

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