

FEATURES

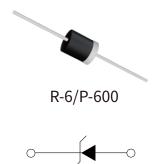
The Plastic Package Carries Underwriters Laboratory

Flammability Classification 94V-0

| Guardring For Overvoltage Protection

Low Reverse Leakage

High Forward Surge Current Capability



Schematic Symbol

APPLICATIONS

Case: Molded Plastic Body

| Polarity : Polarity Symbol Marking On Body

| Mounting Position : Any

APPROVALS

RoHS	Compliance with 2011/65/EU
HF	Compliance with IEC61249-2-21:2003

MAXIMUM RATINGS ($T_A = 25$ °C)

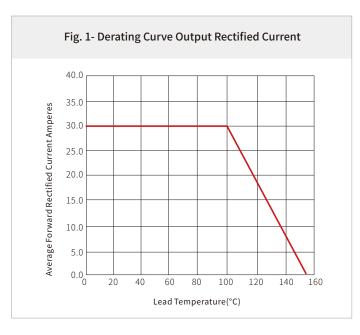
Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
RMS Reverse Voltage	$V_{R(RMS)}$	30.5	V
Maximum DC Blocking Voltage	V _{DC}	45	V
Maximum Average Forward Rectified Current at T _L =110°C	I _(AV)	30.0	А
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed On Rated Load	I _{FSM}	400	А
Typical Thermal Resistance	$R_{\scriptscriptstyle{\thetaJA}}$	25	°C/W
Typical mermat Resistance	R _{eJL}	10	°C/W
Operating Junction Temperature	Т	-55 to +150	°C
Storage Temperature Range	T _{stg}	-55 to +150	°C

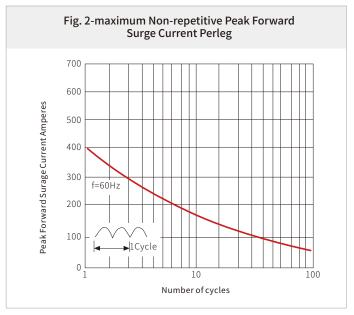


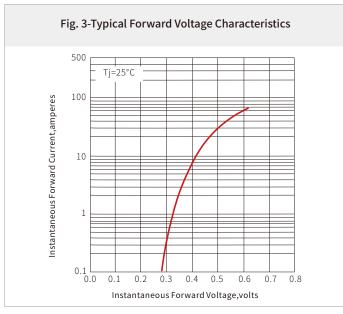
ELECTRICAL CHARACTERISTICS ($T_A = 25$ °C)

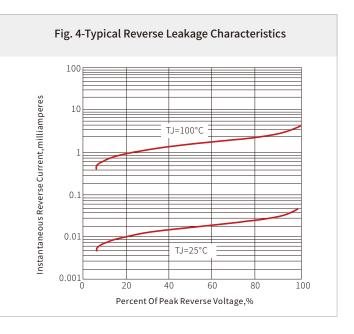
Parameter		Symbol	Min.	Тур.	Max.	Unit
Maximum Instantaneous Forward Vol	tage at 30.0A	V _F		0.52	0.55	V
Maximum DC Reverse Current	T _A =25°C	_ I _R		50	200	μΑ
at Rated DC Blocking Voltage	T _A =100°C			5	20	mA

CHARACTERISTIC CURVES



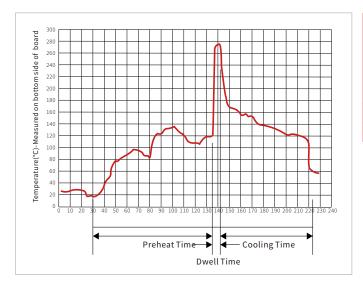






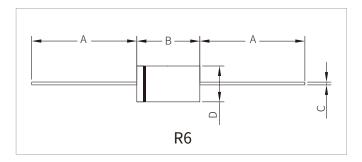


WAVE SOLDERING



	Wave Parameter	Lead-free assembly
	Temperature Min	100°C
Pre Heat	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

P600 PACKAGE INFORMATION



Ref.	Millim	neters	Inches		
ici.	Min.	Max.	Min.	Max.	
А	25.40	-	1.000	-	
В	8.60	9.40	0.339	0.370	
С	1.20	1.40	0.047	0.055	
D	8.60	9.10	0.339	0.358	

ORDERING INFORMATION

Part Number	Marking	Component Package	QTY/Box	Q'TY/Carton
30SQ045	30SQ045	R6/P600	500pcs	5000pcs



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By QR Code





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Mecha

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