/ Descriptions

TO-220AC

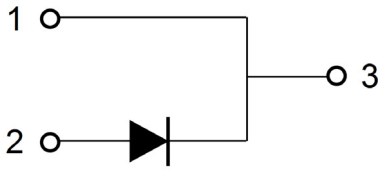
Fast Recovery Epi Diodes in a TO-220AC Plastic Package.

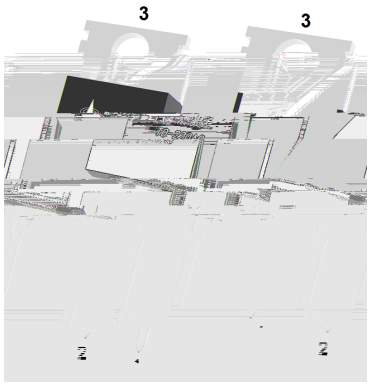
/ Features

AEC-Q101

High frequency operation, High surge forward current capability, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

For high frequency, high voltage, high current rectifier diode, freewheeling diode,Meet the stringent requirements of automotive applications.





PIN 1,3 Cathode PIN2 Anode

/ Marking

See Marking Instructions.

@ ƒ	… Z	ƒ ›	% y
Continuous Forward Current	I_F	30	A
Reverse recovery peak current	I_{RM},I_F=30A V_R=200V di/dt=200A/us	3.1	
Non-repetitive forward surge current	I_{FSM} , tp=8.3ms	200	
Thermal Resistance Junction to Ambient	R_{JA}	75	/ W
Junction Temperature Range		-55 150	
Storage Temperature Range	T_{stg}		

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit
Reverse Voltage	V_R	I_R=100uA	660	700	-	V
Forward Voltage		I_F=30A T_C=25	1.5	1.75	2.0	
Instantaneous Reverse Current	I_R	V_R=650V T_a=25	-	50	1000	nA

Reverse Recovery Time t

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ø ¤ =) ¢ / Package Dimensions

, M y ƒ / Marking Instructions

BR Q

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MUR30650

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Note:

BR:	Company Code
Q y	Automobile halogen-free product Code
MUR30650 y	Product Type Code
****:	Lot No. Code, code change with Lot No

G PD t … • Ž ¢ (x /) / Temperature Profile for Dip Soldering(Pb-Free)

ª ¢ y

1o• Ä ½ “ † 25 ½150 - k ž • 60 ½90sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 -

Note:

1.Preheating:25~150 - , Time:60~90sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.