

/ Descriptions

TO-220AC

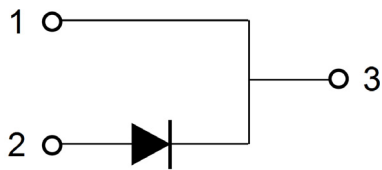
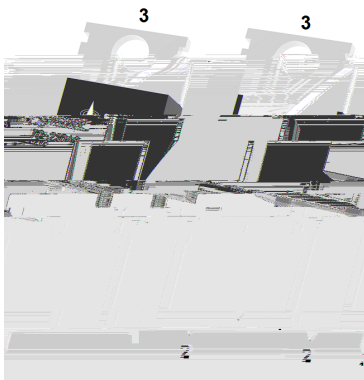
Fast Recovery Epi Diodes in a TO-220AC Plastic Package.

/ 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.

@ f	... Z	f >	% 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}		

@ f Parameter	... Z Symbol	y i Ú ^ Test Conditions	Â 4 > Min	Á ° > 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 f / Marking Instructions

BR Q

MUR30650

a ¢ y
(8 y , [W A
Q y V ñ —) í D } ö æ
3 ; 8 y D } ° Z
y ÿ D Z W A k š ÿ D Z J
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 Ć (x /) / Temperature Profile for Dip Soldering(Pb-Free)

a Ć 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.