

D20LC40

Fast Recovery Diodes 400V, 20A

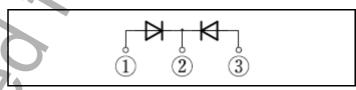
Feature

- Full Molded
- · High Recovery Speed
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj	75	-40 to 150	°C
Repetitive peak reverse voltage	V_{RRM}		400	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, Tc=102°C	20	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	120	Α
Dielectric strength	Vdis	Terminals to case, AC 1 minute	1.5	kV
Mounting torque	TOR	(Recommended torque ∶ 0.5N·m)	0.8	N∙m

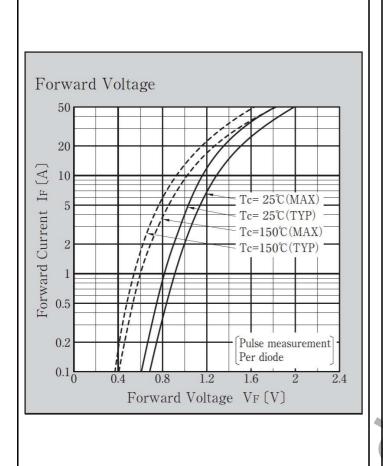
^{* :} See the original Specifications

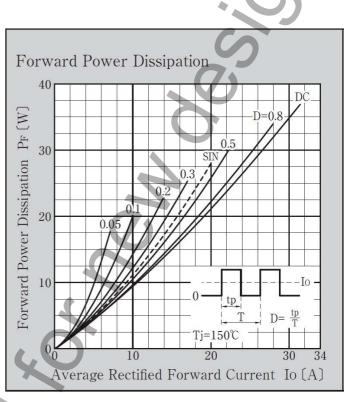
Electrical Characteristics (unless otherwise specified : Tc=25°C)

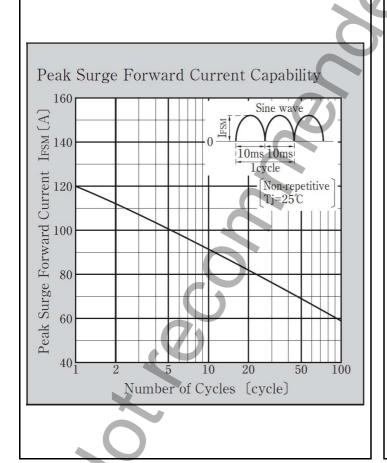
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX)
Forward voltage	V _F	IF=10A, Pulse measurement, Per diode			1.3	V
Reverse current	I _R	VR=400V, Pulse measurement, Per diode			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1.0A, Per Diode		7)	50	ns
Thermal resistance	Rth(j-c)	Junction to case, With heatsink	\geq		1.7	°C/W

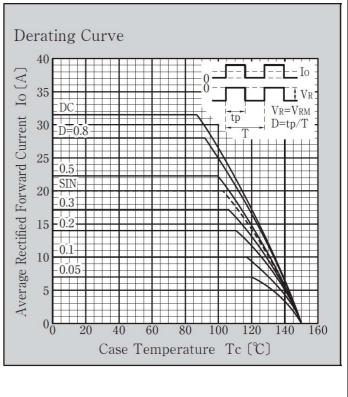
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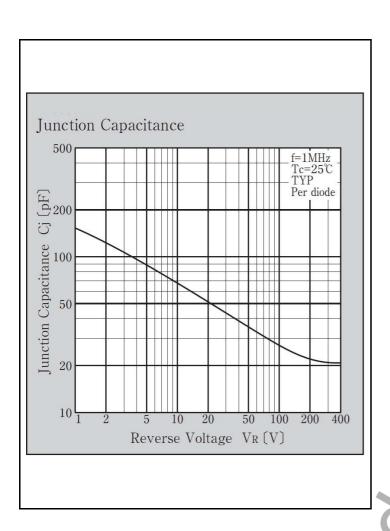
CHARACTERISTIC DIAGRAMS









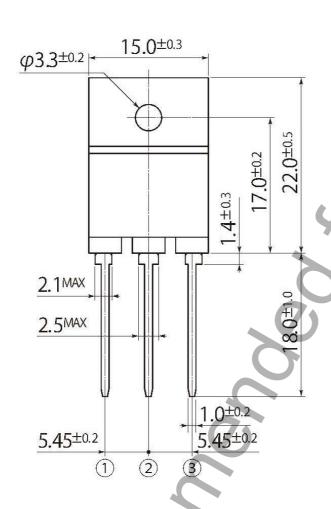


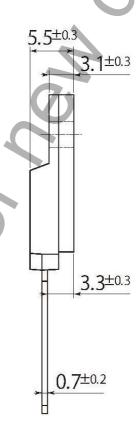
unit:mm

scale: 2/1

K3

JEDEC Code	_
JEITA Code	SC-93
House Name	ITO-3P(3pin)





Notes

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