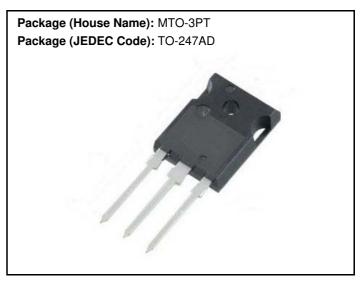
S30TC15T Schottky Barrier Diodes 150V, 30A

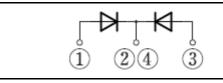
Feature

- High Voltage
- High Recovery Speed
- Ultra low I_R
- Low Noise
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

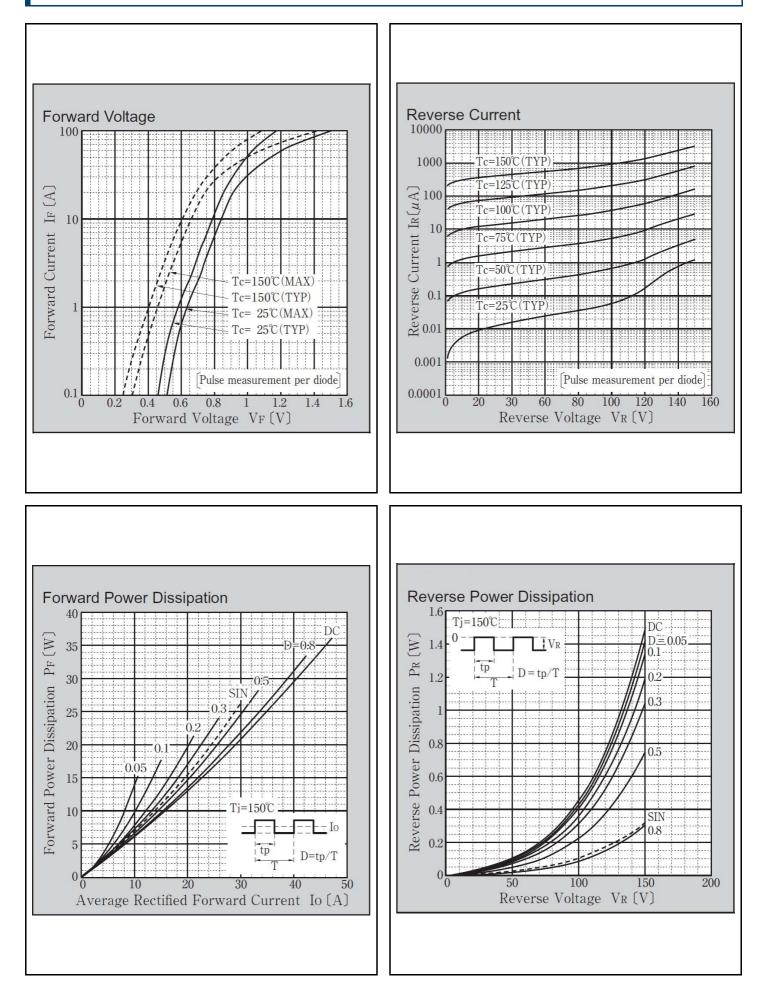
Item	Item Symbol Conditions		Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		150	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, With heatsink, Tc=128°C	30	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	300	A
Surge forward current	I _{FSM1}	tp=1ms, Sine wave, Non-repetitive, Peak value, Tj=25°C	650	A
Mounting torque	TOR	(Recommended torque: 0.5N·m)	0.8	N∙m

* : See the original Specifications

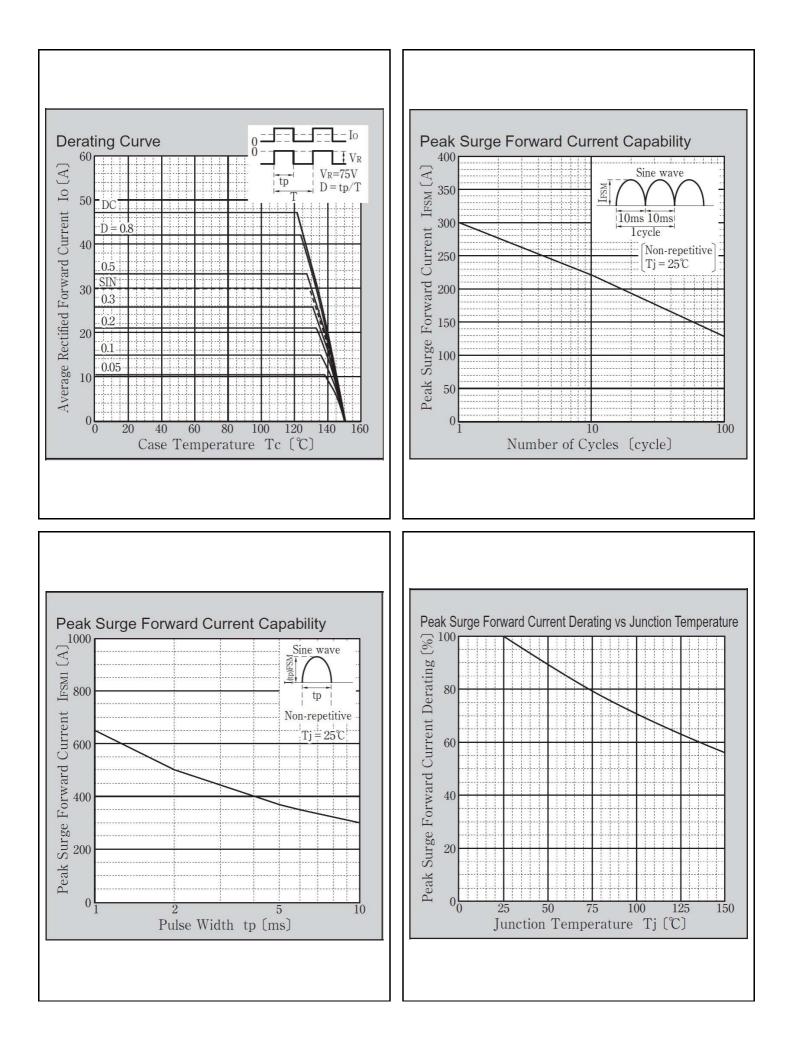
ltem	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Forward voltage	V _F	IF=15A, Pulse measurement, per diode		0.82	0.88	V
Reverse current	I _R	VR=150V, Pulse measurement, per diode			0.04	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		209		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			0.8	°C/W

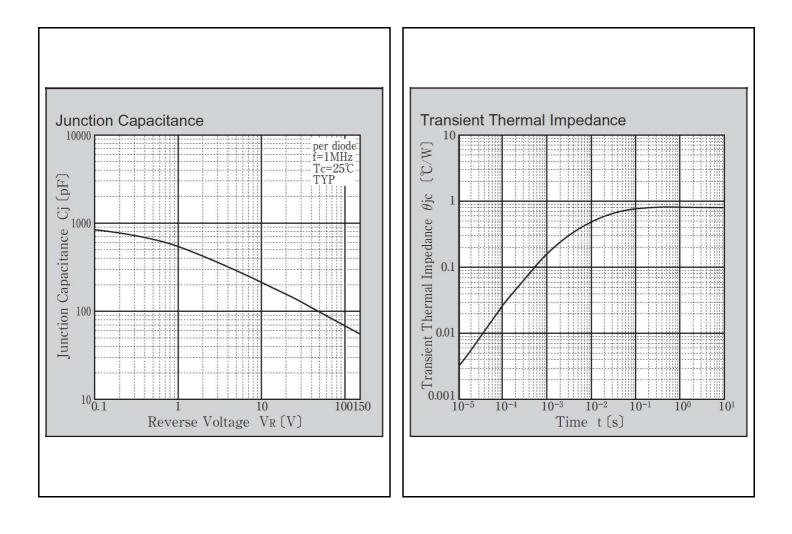
* : See the original Specifications

CHARACTERISTIC DIAGRAMS



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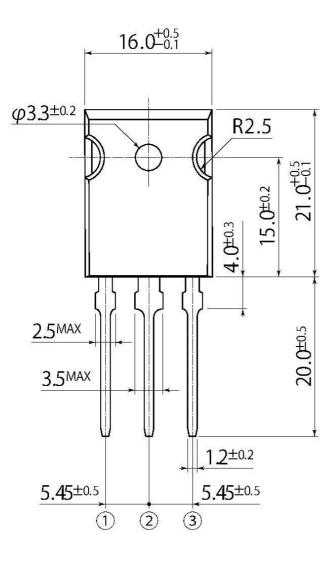


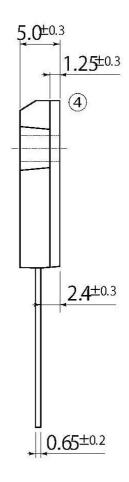


unit:mm

scale: 2/1

K5	JEDEC Code	TO-247AD		
	JEITA Code			
	House Name	MTO-3PT(3pin)		





Notes

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[Special applications]

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[Specific applications]

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