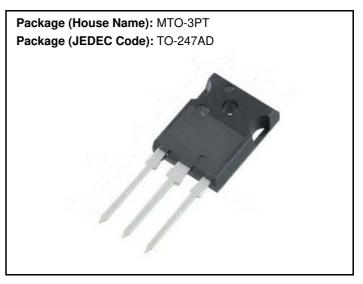
S60SC4MT

Schottky Barrier Diodes 40V, 60A

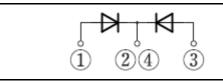
Feature

- · High Recovery Speed
- $\bullet \ Low \ V_F$
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tc=25°C) Item Symbol Conditions Ratings -55 to 150 Storage temperrature Tstg Junction temperature Тj -55 to 150 40 Repetitive peak reverse voltage V_{RRM} Repetitive peak surge reverse Pulse width 0.5ms, duty=1/40 45 V_{RRSM}

voltage	- HUOM			-
Average forward current I _F (AV)		50Hz sine wave, Resistance load, Rating for each diode IF(AV)/2, With heatsink, Tc=127°C	60	A
Surge forward current		50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	500	A
Mounting torque	TOR	(Recommended torque: 0.5N·m)	0.8	N∙m

* : See the original Specifications

Unit

°C

°C

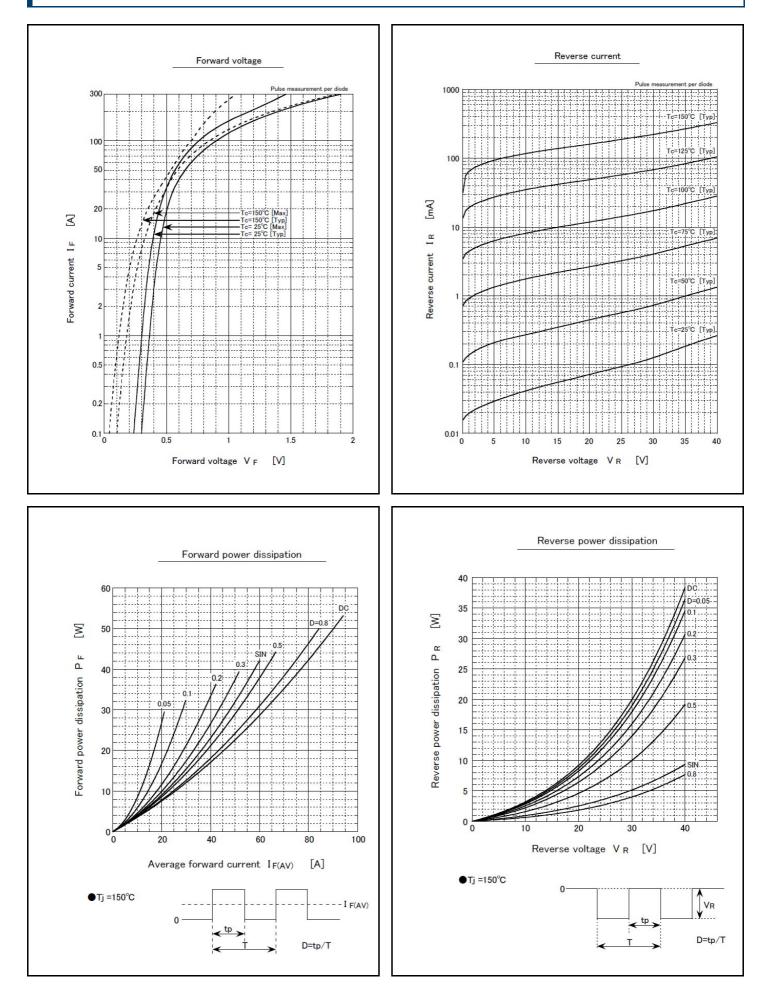
V

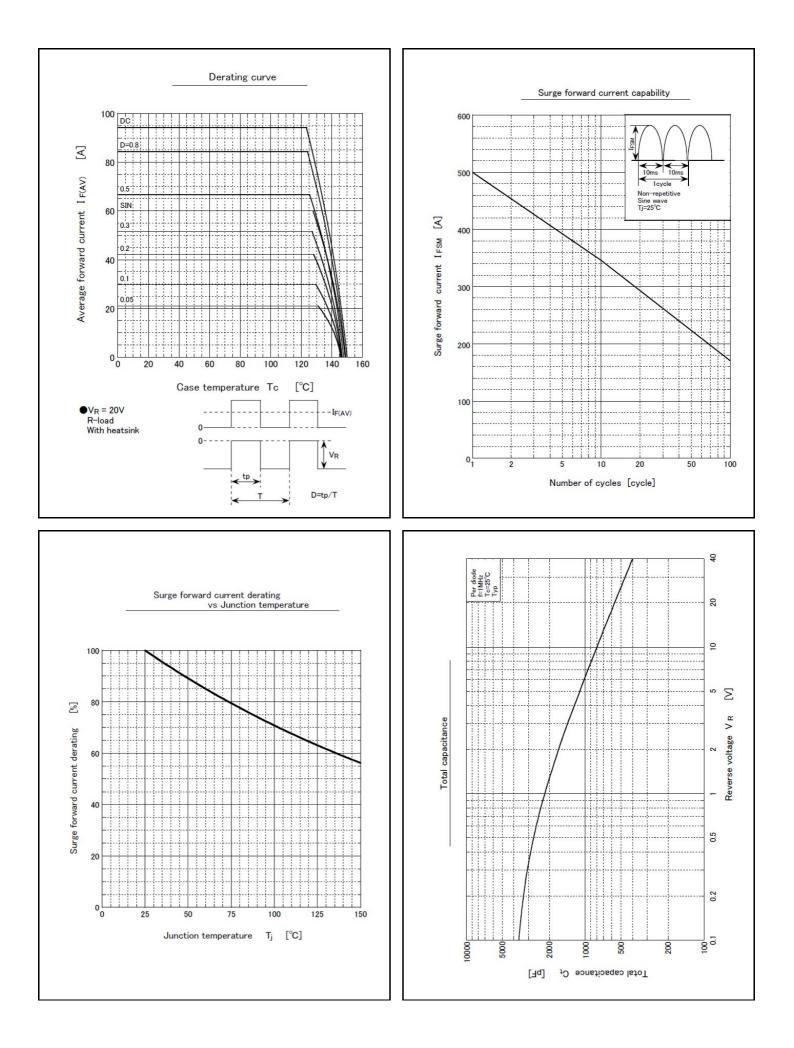
V

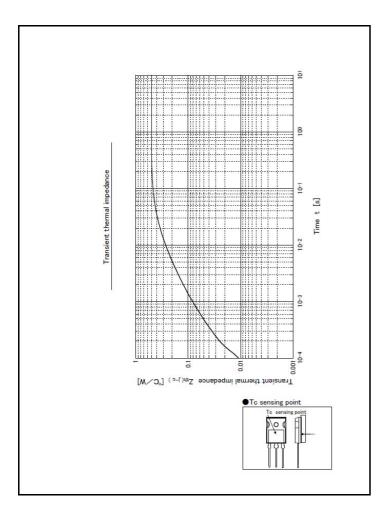
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	Onit
Forward voltage	V _F	IF=30A, Pulse measurement, per diode		0.49	0.55	V
Reverse current	I _R	VR=40V, Pulse measurement, per diode			3	mA
Total capacitance	Ct	f=1MHz, VR=10V, per diode		790		pF
Thermal resistance	Rth(j-c)	Junction to case, With heatsink			0.5	°C/W

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



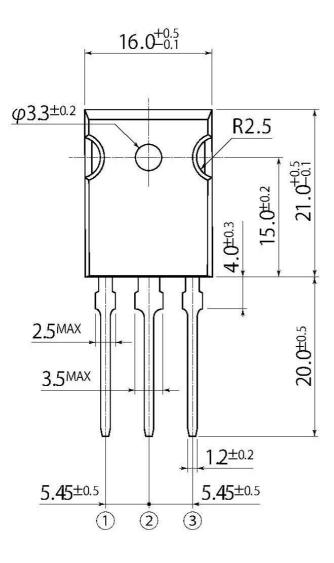


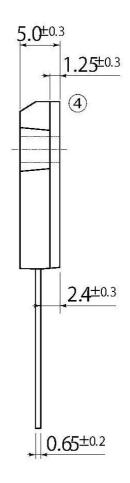


unit:mm

scale: 2/1

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





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[Special applications]

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[Specific applications]

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