TOSHIBA FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

3 J H 4 5

SWITCHING TYPE POWER SUPPLY APPLICATIONS

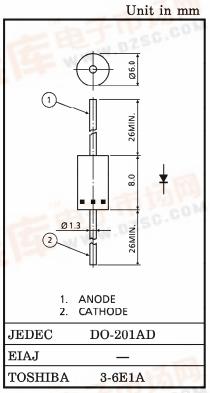
Repetitive Peak Reverse Voltage $: V_{RRM} = 600V$

Average Forward Current $: I_{F(AV)} = 3.0A$

Very Fast Reverse-Recovery Time : trr=200ns (Max.) WWW.DZSC

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	v_{RRM}	600	V
Average Forward Current (Ta=25°C)	I _{F (AV)}	3.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	70 (50Hz) 77 (60Hz)	A
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	$T_{ m stg}$	-40~150	°C

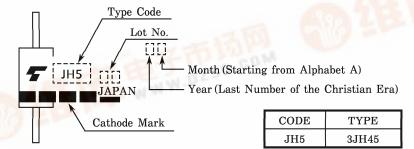


Weight: 1.18g

ELECTRICAL CHARACTERISTICS (Ta = 25°C) (Note 1)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{\text{FM}} = 3.0 \text{A}$	_	_	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 600V$	_	_	100	μ A
Reverse Recovery Time	$ m t_{rr}$	$I_F=1A$, di/dt=-30A/ μ s	_		200	ns
Forward Recovery Time	t_{fr}	I _F =1.0A	_		500	ns
Thermal Resistance	$R_{ ext{th (j-a)}}$	Junction to Ambient	_		38	°C/W

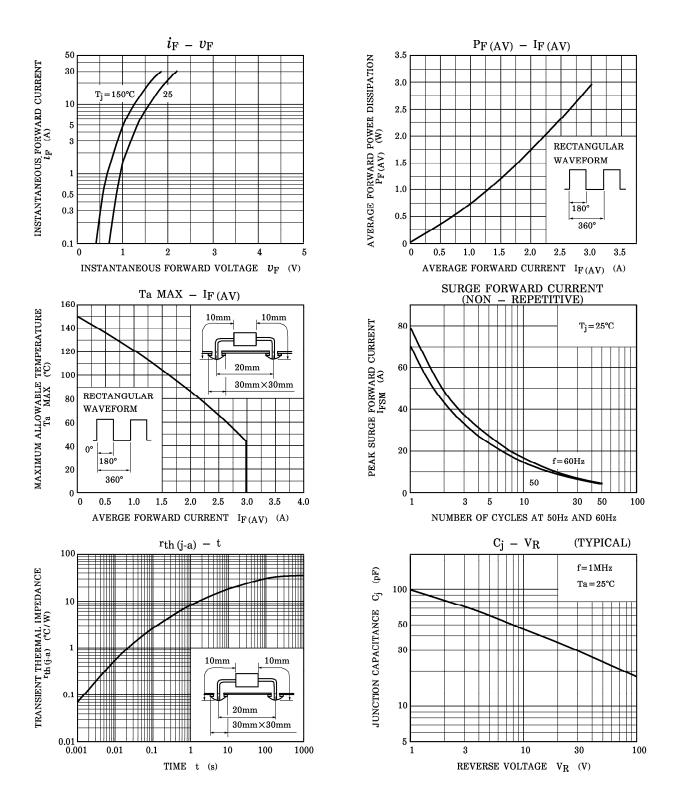
Marking



Color: Silver

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TOSHIBA 3JH45



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