TOSHIBA

TOSHIBA FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

1 R 5 G H 4 5

SWITCHING TYPE POWER SUPPLY APPLICATIONS

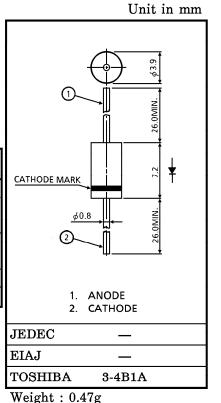
• Repetitive Peak Reverse Voltage : V_{RRM}=400V

• Average Forward Current : IF(AV)=1.5A

• Very Fast Reverse-Recovery Time : t_{rr}=200ns (Max.)

MAXIMUM RATINGS

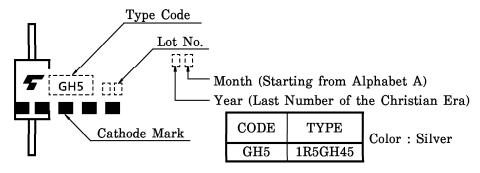
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	400	V	
Average Forward Current (Ta = 25°C)	I _{F (AV)}	1.5	A	
Peak One Cycle Surge Forward	Incre	50 (50Hz)	A	
Current (Non-Repetitive)	I _{FSM}	55 (60Hz)		
Junction Temperature Range	T_{j}	-40~150	°C	
Storage Temperature Range	$T_{ m stg}$	-40~150	°C	



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

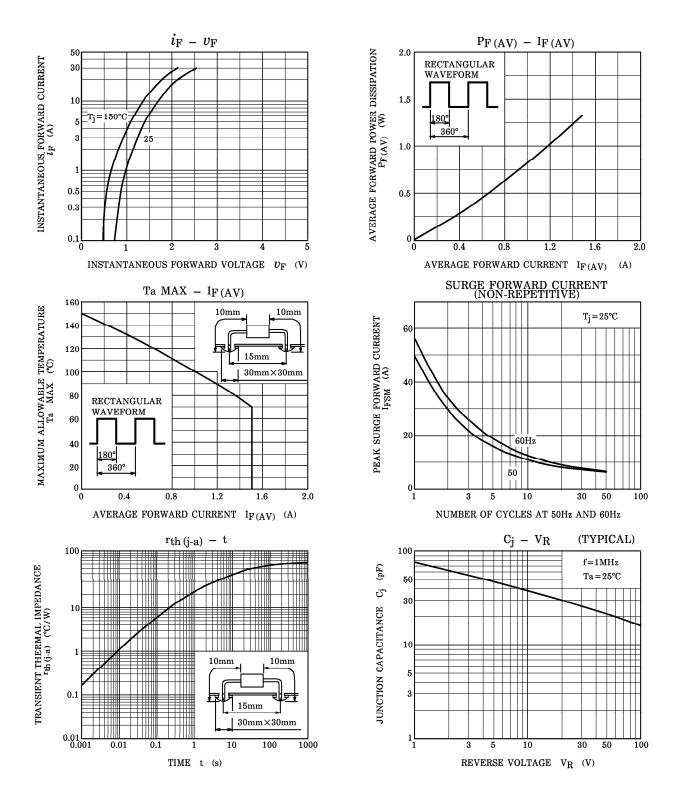
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{\mathbf{FM}}$	I _{FM} =1.5A	_	_	1.1	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 400V$	_	_	100	μ A
Reverse Recovery Time	t _{rr}	$I_F=1A$, di/dt=-30A/ μ s	_	_	200	ns
Forward Recovery Time	tfr	$I_{\mathbf{F}} = 1.0 A$	_	_	400	ns
Thermal Resistance	$ m R_{th~(j-a)}$	Junction to Ambient	_	_	58	°C/W

MARKING



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