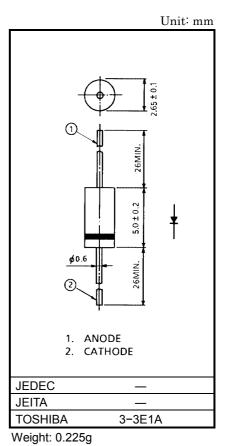
TOSHIBA FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

1GH45

SWITCHING MODE POWER SUPPLY APPLICATIONS

MAXIMUM RATINGS (Ta = 25°C)

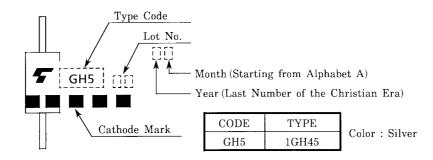
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	400	٧	
Average Forward Current (Ta = 25°C)	I _{F (AV)}	1.0	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	20 (50H _Z)	А	
		22 (60H _Z)		
Junction Temperature Range	Tj	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	



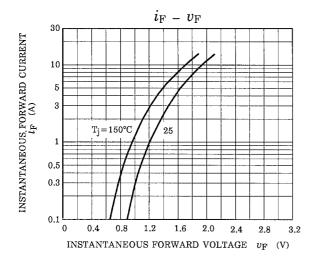
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

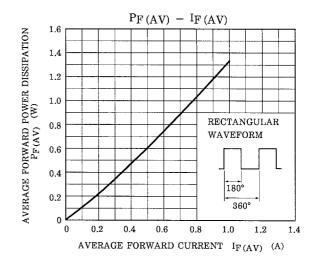
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0A	_	_	1.1	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 400V	_	_	100	μA
Reverse Recovery Time	t _{rr}	$I_F = 1A$, di / dt = $-30A$ / μ s	_	_	200	ns
Forward Recovery Time	t _{fr}	I _F = 1.0A	_	_	400	ns
Thermal Resistance	R _{th (j-a)}	Junction to Ambient	_	_	75	°C/W

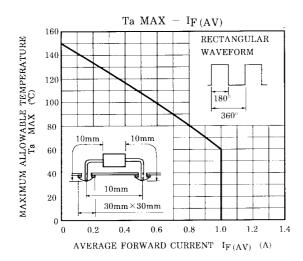
MARKING

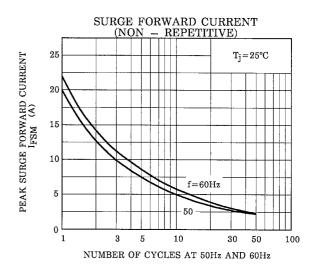


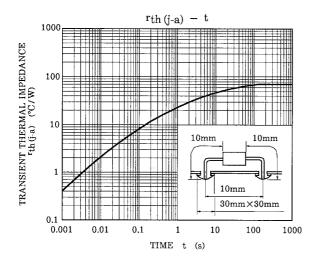
1 2001-07-09

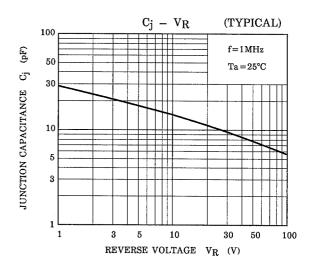












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