TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

0R8GU41

HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

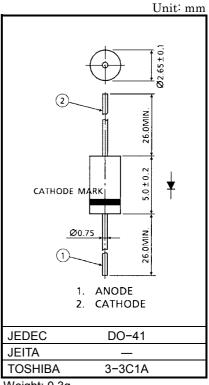
 $: I_{F(AV)} = 0.8A (Ta = 40^{\circ}C)$ • Average Forward Current

• Repetitive Peak Reverse Voltage $: V_{RRM} = 400V$ • Reverse Recovery Time $: t_{rr} = 100 ns (Max)$

• Plastic Mold Type

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	400	٧	
Average Forward Current (Ta = 40°C)	I _{F (AV)}	0.8	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	30 (50H _Z)	А	
		33 (60H _Z)		
Junction Temperature	Tj	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	

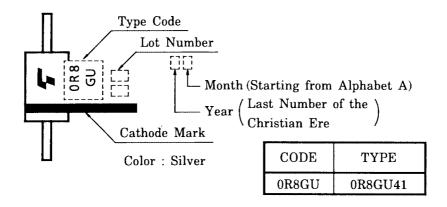


Weight: 0.3g

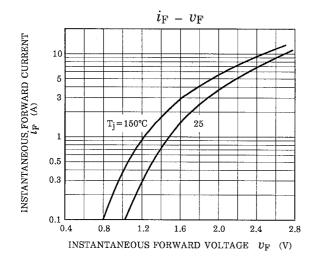
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

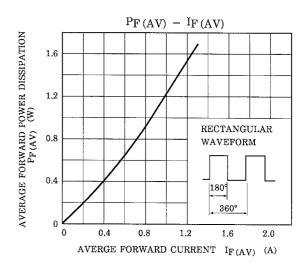
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 1.0A	_	1.5	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 400V	_	50	μΑ
Reverse Recovery Time	t _{rr}	I _F = 1.0A, di / dt = -30A / μs	_	100	ns
Forward Recovery Time	t _{fr}	I _F = 1.0A	_	200	ns
Thermal Resistance	R _{th (j−a)}	Junction to Ambient	_	115	°C/W
Thermal Resistance	R _{th (j−ℓ)}	Junction to Lead	_	45	°C/W

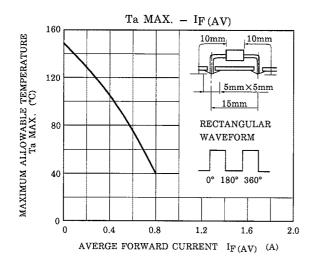
MARKING

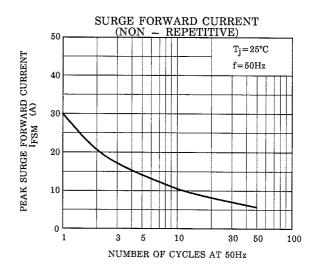


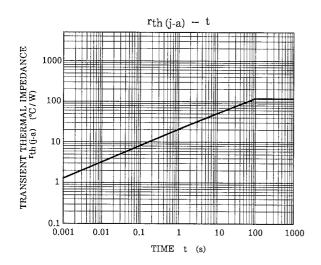
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