TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

U2BC44,U2GC44,U2JC44

GENERAL PURPOSE RECTIFIER APPLICATIONS

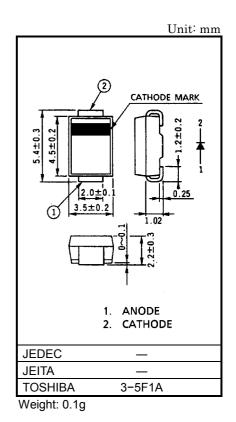
• Repetitive Peak Reverse Voltage : V_{RRM} = 100, 400, 600 V

 $: I_F (AV) = 2.0 A$

- Average Forward Current
- Mini Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

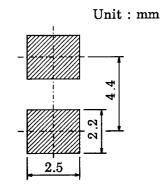
CHARACTERISTIC			SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage		U2BC44		100	V	
		U2GC44	V _{RRM}	400		
		U2JC44		600		
Average On Ce Forward		amic Substrate	I _{F (AV)}	2.0 (Ta = 45°C)	А	
Current	On Glass-epoxy Substrate			1.3 (Ta = 25°C)		
Peak One Cycle Surge Forward Current (Non-Repetitive)			I _{FSM}	80 (50Hz)	A	
				88 (60Hz)		
Junction Temparature Range			Tj	-40~150	°C	
Storage Temparature Range			T _{stg}	-40~150	°C	

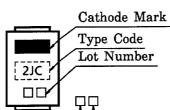


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION		MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 2.0 A		_	_	1.2	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = Rated		_	—	10	μA
Thermal Resistance	R _{th (j−a)}	DC	On ceramic substrate	_	—	50	°C/W
			On glass-epoxy substrate	_	—	110	

STANDARD SOLDERING PAD





MARKING

CODE	TYPE		
2BC	U2BC44		
2GC	U2GC44		
2JC	U2JC44		

— Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)

TOSHIBA

ON GLASS-EPOXY

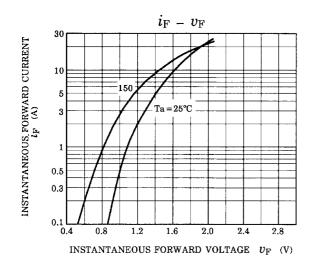
SUBSTRATE

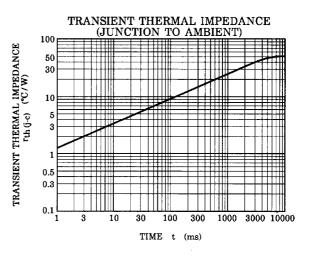
6mm[□]

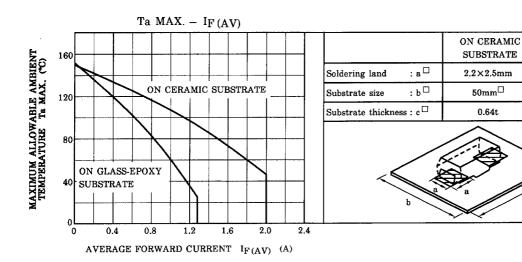
50mm[□]

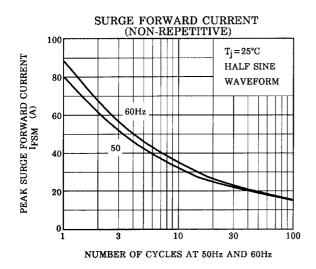
1.6t

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