

016C44,016C44,015C

TOSHIBA RECTIFIER SILICON DIFFUSED JUNCTION TYPE

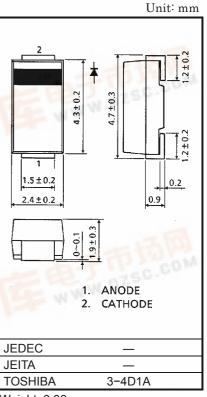
U1BC44,U1GC44,U1JC44

FOR HYBRID USE

- Average Forward Current
- $I_{\rm F}({\rm AV}) = 1.0{\rm A}$
- Repetitive Peak Reverse Voltage : V_{RRM} = 100, 400, 600V
- Mini Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC			SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage		U1BC44	N.DZ-	100	V	
		U1GC44	V _{RRM}	400		
		U1JC44		600		
Average Forward Current	On Ceramic Substrate		IF (AV)	1.0 (Ta = 75°C)	A	
	On Glass-epoxy Substrate			0.9 (Ta = 25°C)		
Peak One Cycle Surge Forward			less 1	30 (50Hz)	A	
Current (Non-Repetitive)		IFSM	33 (60Hz)			
Junction Temperature			J O ISC.	-40~150	°C	
Storage Temperature Range			T _{stg}	-40~150	°C	

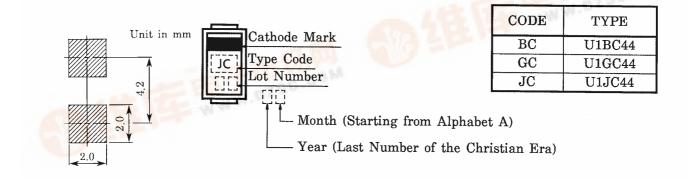


Weight: 0.06g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

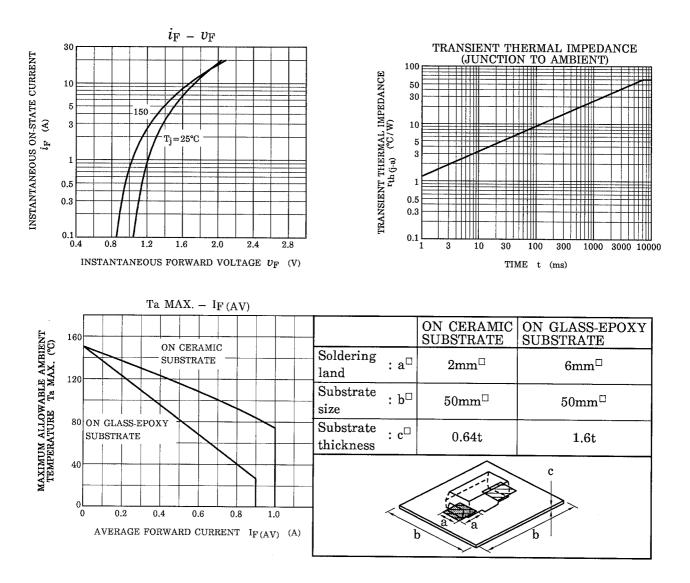
CHARACTERISTIC	SYMBOL		TEST CONDITION	MIN	TYP.	MAX	UNIT	
Peak Forward Voltage	V _{FM}	I _{FM} = 1.0A		_	_	1.2	V	
Repetitive Peak Reverse Current		V _{RRM}	V _{RRM} = Rated		_	10	μA	
Thermal Resistance	R _{th (j−a)}	DC	On ceramic substrate	_	—	60	°C / W	
			On glass-epoxy substrate	_	—	120		

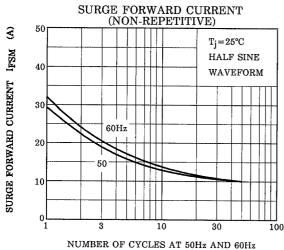
STANDARD SOLDERING PAD



TOSHIBA

U1BC44,U1GC44,U1JC44





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TOSHIBA

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