

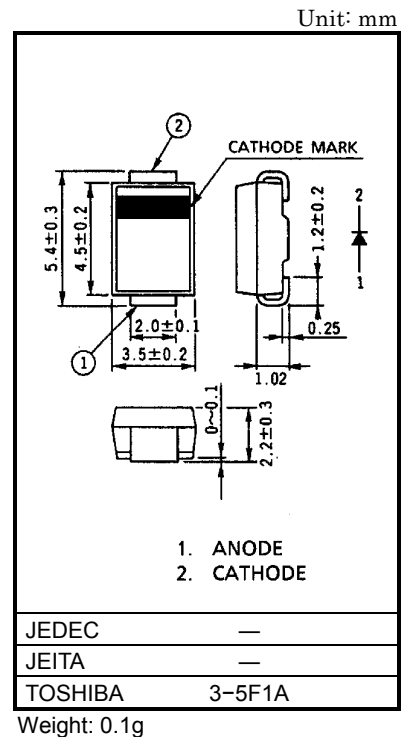
U2BC44,U2GC44,U2JC44

GENERAL PURPOSE RECTIFIER APPLICATIONS

- Repetitive Peak Reverse Voltage : $V_{RRM} = 100, 400, 600 \text{ V}$
- Average Forward Current : $I_F (AV) = 2.0 \text{ A}$
- Mini Plastic Mold Package

MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

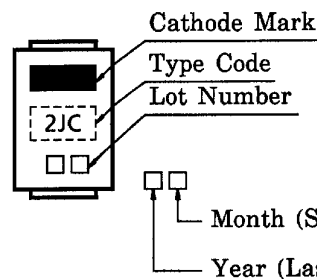
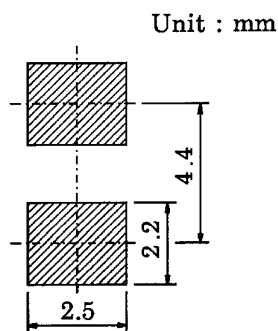
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	U2BC44	V _{RRM}	100	V
	U2GC44		400	
	U2JC44		600	
Average Forward Current	On Ceramic Substrate	I _F (AV)	2.0 (Ta = 45°C)	A
	On Glass-epoxy Substrate		1.3 (Ta = 25°C)	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I _{FSM}	80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



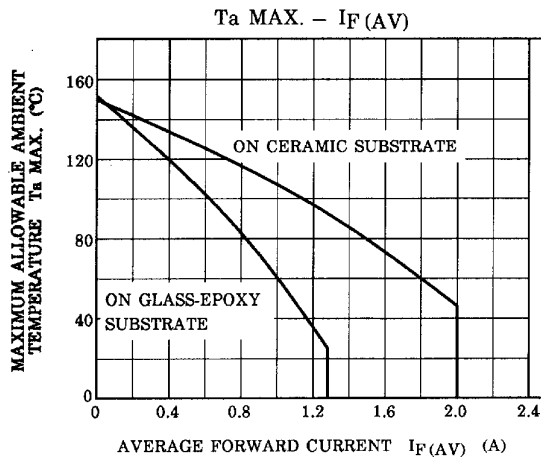
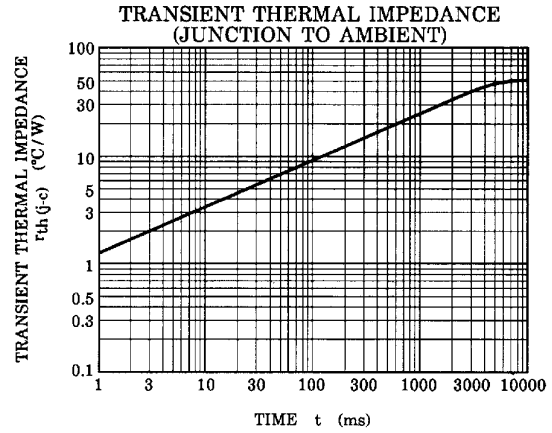
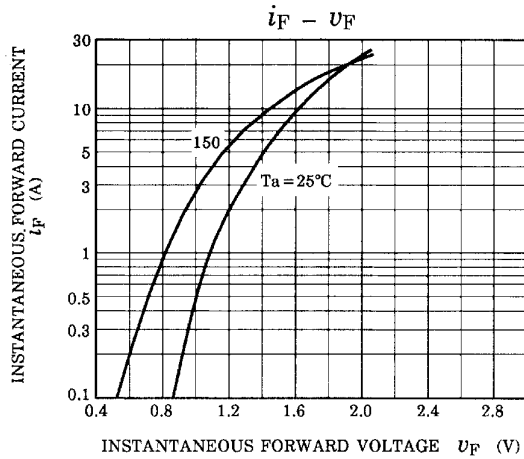
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 2.0 \text{ A}$	—	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	10	μA
Thermal Resistance	$R_{th (j-a)}$	DC On ceramic substrate	—	—	50	$^\circ\text{C} / \text{W}$
		On glass-epoxy substrate	—	—	110	

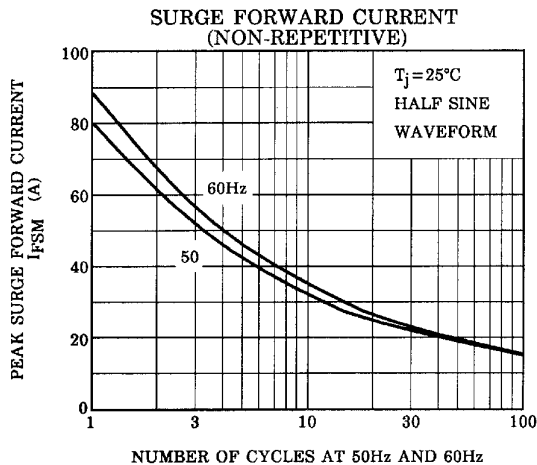
STANDARD SOLDERING PAD MARKING



CODE	TYPE
2BC	U2BC44
2GC	U2GC44
2JC	U2JC44



	ON CERAMIC SUBSTRATE	ON GLASS-EPOXY SUBSTRATE
Soldering land : a	$2.2 \times 2.5 \text{ mm}$	6 mm
Substrate size : b	50 mm	50 mm
Substrate thickness : c	$0.64t$	$1.6t$



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