TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

U1GWJ49

HIGH SPEED RECTIFIER APPLICATIONS

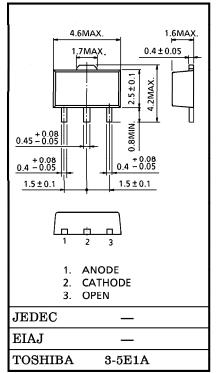
Average Forward Current $: I_{F(AV)} = 1.0A$

 $: V_{FM} = 0.55V (Max.)$ Low Forward Voltage

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	40	V	
Average Forward Current	I _{F (AV)}	1.0	Α	
Peak One Cycle Surge Forward	Terror	15 (50Hz)	A	
Current (Non-Repetitive)	IFSM	16.5 (60Hz)		
Junction Temperature	T_{j}	-40~125	$^{\circ}\mathrm{C}$	
Storage Temperature Range	${f T}_{ m stg}$	-40~150	°C	

Unit in mm

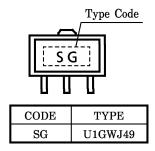


Weight: 0.05g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$ m v_{FM}$	$I_{\text{FM}} = 1.0 \text{A}$	_	_	0.55	V
Repetitive Peak Reverse Current	${ m I}_{ m RRM}$	$V_{RRM} = 40V$	_	_	0.5	mA
Junction Capacitance	$\mathrm{C_{j}}$	$V_R = 10V$, $f = 1MHz$	_	50	_	рF
Thermal Resistance	$R_{th (j-a)}$	Junction to Ambient	_	<u> </u>	125	°C/W

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