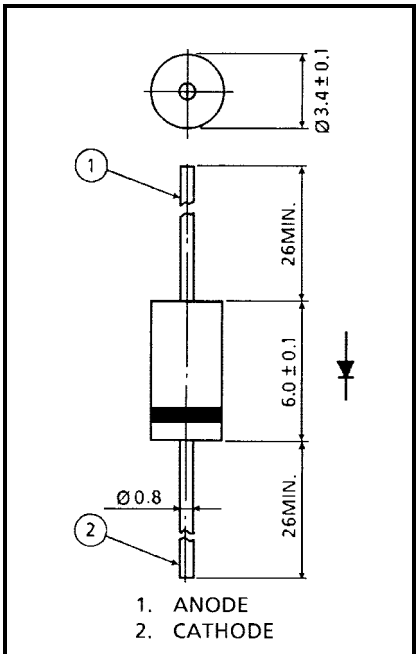
TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1829,1S1886

Unit: mm

GENERAL PURPOSE RECTIFIER APPLICATIONS

- Average Forward Current : $I_{F\ (AV)}$ = 1.0A (Ta = 65°C)
- Repetitive Peak Reverse Voltage : V_{RRM} = 200, 800V
- Plastic Mold Package



JEDEC	DO−15
JEITA	SC−39
TOSHIBA	3−3B1A

Weight: 0.42g

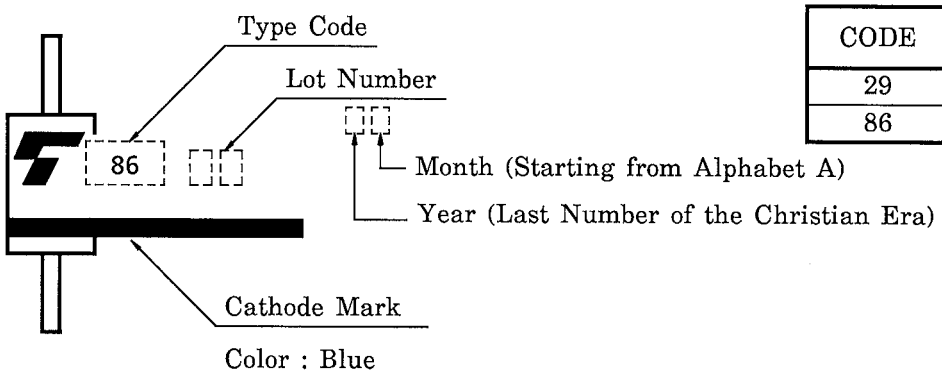
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	1S1886	V_{RRM}	200	V
	1S1829		800	
Average Forward Current (Ta = 60°C)		$I_{F\ (AV)}$	1.0	A
Peak One Cycle Surge Forward Current	1S1829	I_{FSM}	45 (50Hz)	A
	1S1886		60 (50Hz)	
Junction Temperature		T_j	−40~150	°C
Storage Temperature Range		T_{stg}	−40~150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

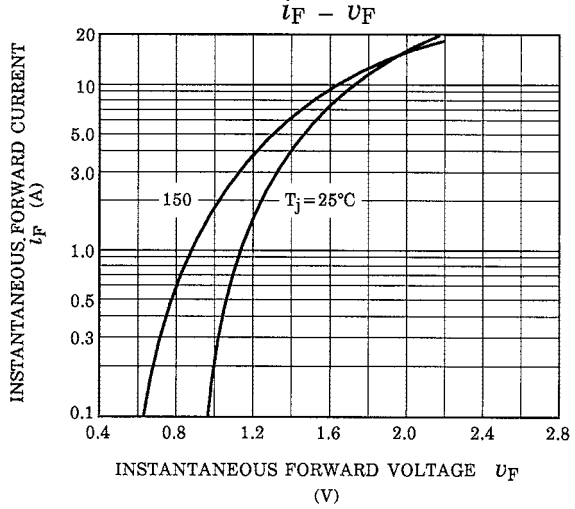
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Peak ForwardVoltage	V_{FM}	I_{FM} = 1.5A	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM} (1)	V_{RRM} = Rated	—	10	μA
	I_{RRM} (2)	V_{RRM} = Rated, T_j = 150°C	—	400	
Thermal Resistance (Junction to Ambient)	$R_{th\ (j-a)}$	DC	—	100	°C / W

MARKING

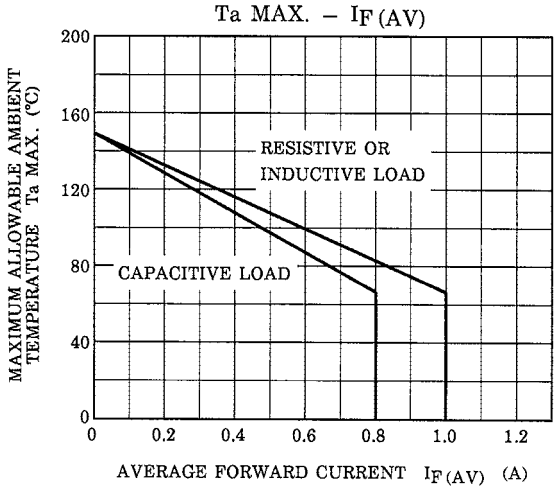


CODE	TYPE
29	1S1829
86	1S1886

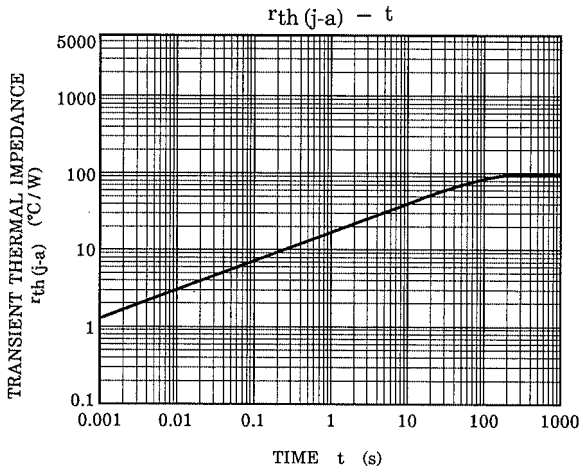
$i_F - v_F$



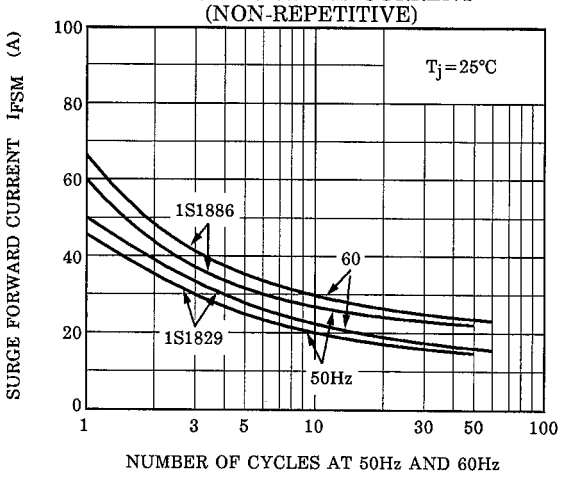
Ta MAX. – $I_{F(AV)}$



$r_{th(j-a)} - t$



SURGE FORWARD CURRENT (NON-REPETITIVE)



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000707EAA

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