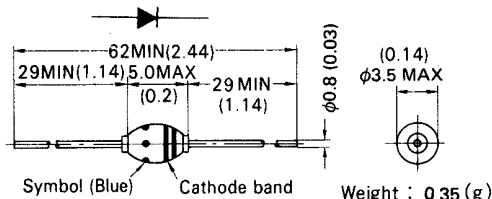


V19

$V_{RRM} : 100V \sim 600V$
 $I_{F(AV)} : 1.0A$
 $t_{rr} : 0.2\mu s$



Type	Color of cathode band and symbol
V19B(100V)	Yellow
V19C(200V)	Black
V19E(400V)	Blue
V19G(600V)	Red

■ MAXIMUM ALLOWABLE RATINGS

Items	Type		V19B	V19C	V19E	V19G
	EIAJ No.		1SR119-100	1SR119-200	1SR119-400	
Repetitive Peak Reverse Voltage	V _{RRM}	V	100	200	400	600
Non-Repetitive Peak Reverse Voltage	V _{RSM}	V	200	300	500	800
Average Forward Current	I _{F(AV)}	A	1.0 (Single-phase half sine wave 180° conduction) T _L =80℃, Lead length=10mm			
Surge (Non-Repetitive) Forward Current	I _{FSM}	A	30 (Without PIV, 10msec conduction, T _J =150℃ start)			
I ² t Limit Value	I ² t	A ² sec.	3.6 (Time=2~10msec, I=RMS Value)			
Operating Junction Temperature	T _j	℃	-65~+150			
Storage Temperature	T _{stg}	℃	-65~+150			

* LEAD MOUNTING: LEAD TEMPERATURE 300 $^\circ C$ MAX. TO 3.2mm FROM BODY FOR 5SEC. MAX.

リードはんだ付け限界: はんだ温度300 $^\circ C$ 以下。ボディから3.2mmまで5秒以内。

* MECHANICAL STRENGTH: BENDING 90°×2 Cycles, or 180°×1 Cycle, TENSILE 2kg, TWIST 90°×1 Cycle.

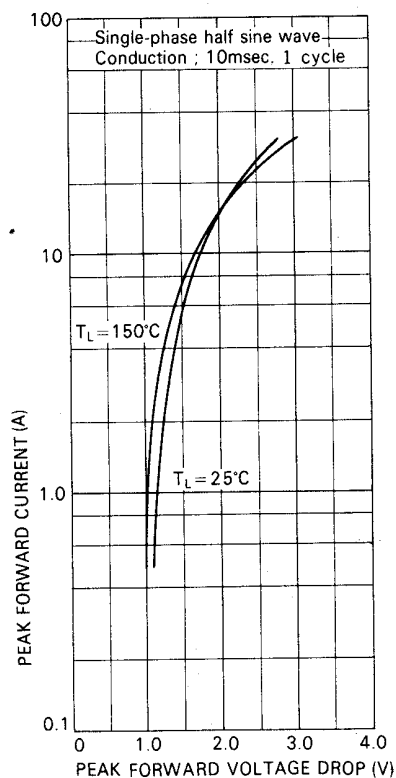
機械的強度: リード曲げ 90° 2回, 又は 180° 1回, 引張り 2kg, ねじり 90° 1回。

■ CHARACTERISTICS ($T_L = 25^\circ C$)

Items	Symbols	Units	Min.	Typ.	Max.	Test Conditions
Peak Reverse Current	I_{RRM}	μA	—	2.0	10	All class, Rated V_{RRM}
Peak Forward Voltage	V_{FM}	V	—	—	1.2	$I_{FM} = 1.0A$, Single-phase half sine wave 1 cycle
Reverse Recovery Time	t_{rr}	$\mu sec.$	—	—	0.2	$I_F = 2mA$, $V_R = -15V$
Steady State Thermal Impedance	$R_{th(j-a)}$	$^\circ C/W$	—	—	80	Lead length=10mm
	$R_{th(j-l)}$				50	

順特性

FORWARD CHARACTERISTICS



平均順損失

MAX. AVERAGE FORWARD POWER DISSIPATION

(RESISTIVE OR INDUCTIVE LOAD)

