

FEATURES

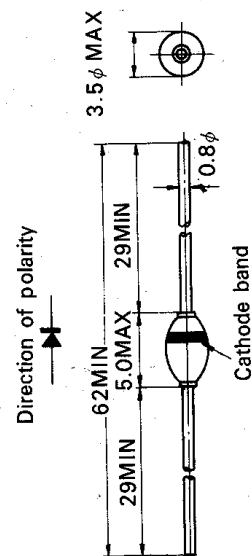
- This diode is designed to serve as universal type optimum for use in a variety of electronic devices including control circuits, communication equipments and household electric appliances.
- Compact, lightweight structure with a glass encapsulation dispenses with insulation work and provides a great convenience for build-in wiring.
- Because of strict quality control and steady mass production, uniform characteristics and remarkably high reliability are attained.

特 長

- この製品は制御回路、通信機、家電品など各種電子装置に最適な万能形のダイオードです。
- 構造は小形、軽量でしかもボデーはガラスですから絶縁は不要であり、組込配線にたいへん便利です。
- 厳密な品質管理と安定した量産を行なっていますので、特性は均一であり、きわめて信頼度の高いダイオードです。

OUTLINE DRAWING

Type	Color of cathode band
V06C(200V)	Black
V06E(400V)	Blue
V06G(600V)	Red



MAXIMUM ALLOWABLE RATINGS

Hitachi Type			V06C	V06E	V06G
EIAJ No.			1S 2080	1S 2081	1S 2082
Repetitive Peak Reverse Voltage	V_{RRM}	V	200	400	600
Non-repetitive Peak Reverse Voltage	V_{RSM}	V	300	500	800
Average Forward Current	I_0	A	1.1 (Single-phase, half-wave 180° conduction; ambient temperature 20°C)		
Peak One-cycle Surge Current	I_{TSM}	A	25 (10msec conduction, sine half-wave 1 cycle)		
I^2t Limit Value	I^2t	A ² sec	2.65 (Time=2~10msec, I=RMS value)		
Operating Junction Temperature	T_j	°C	-40~+165		
Storage Temperature	T_{stg}	°C	-40~+165		
Weight		g	0.35		

CHARACTERISTICS

Items	Symbols	Units	Ratings
Maximum Reverse Current	I_{RM}		—
Maximum Forward Voltage Drop	V_{FM}	V	1.75 (Single-phase, half-wave peak value 3.3A; conduction angle 180°, $T_j=25^\circ\text{C}$)
Typical Reverse Recovery Time	t_{rr}		—