TYPE V11

UP TO 1500V 0.6A(RMS)
HIGH SPEED TYPE DIODE

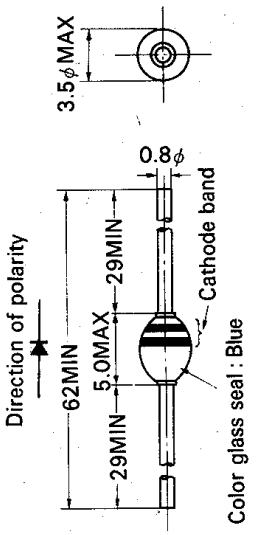
■FEATURES

- V11 is a device developed for switching applications, with a reverse recovery time of 0.4μsec. This product is optimum for use in high-frequency circuits such as television horizontal deflection circuits.
- Due to employment of the glass encapsulation that gained high repute in V03/V06, great convenience is provided for build-in wiring.
- Because of strict quality control and steady mass production, this diode offers uniform characteristics and remarkably high reliability.

■特　長

- この製品は逆回復時間を0.4μsecに押えスイッチング用として開発した素子で，テレビの水平偏回路等，高周波回路に最適です。
- 構造はV03/V06で好評を博しましたガラスボデーですから組込み配線に大変便利であります。
- 厳密な品質管理と安定した量産を行なっておりますので，特性は均一であり，極めて信頼度の高いダイオードです。

OUTLINE DRAWING



Type	Direction of polarity
V11J(800V)	Green
V11L(1,000V)	Yellow
V11M(1,300V)	Black
V11N(1,500V)	Red

■MAXIMUM ALLOWABLE RATINGS

Items	Symbols	Units	Hitachi Type / EIAJ No.	V11J / 1S2323	V11L / 1S2324	V11M / 1S2325	V11N / 1S2326
Repetitive Peak Reverse Voltage	V_{RRM}	V		800	1,000	1,300	1,500
Non-repetitive Peak Reverse Voltage	V_{RSM}	V		1,000	1,300	1,600	1,800
Average Forward Current	I_O	A	0.4 (Single-phase, half-wave 180° conduction ambient temperature 20℃)				
Peak One-cycle Surge Current	I_{TSM}	A	25 (10msec conduction, sine half-wave 1 cycle)				
I^2t Limit Value	I^2t	A^2sec	3.0 (Time=2～10msec. I=RMS value)				
Operating Temperature	T_j	℃	−40～+125				
Storage Temperature	T_{stg}	℃	−40～+150				
Weight		g	0.35				

■CHARACTERISTICS

Items	Symbols	Units	Ratings
Maximum Reverse Current	I_{RM}		——
Maximum Forward Voltage Drop	V_{FM}	V	3.0 (Single-phase, half-wave peak value 1.6A, conduction angle 180°, T_j: 25℃)
Reverse Recovery Time	t_{rr}	μsec	0.4 (T_j: 25℃, Measuring conditions are based on test circuit)
Thermal Resistance	R_{th}	℃/W	—— (Junction to Air)