10kV 1.0A 80nS Potting type HV subassembly

■ Outline Drawings : mm

— 40(max) — ➤

Finds use in applications such as X-ray machines and electrostatic precipitators.

Features

- Diffused Junction
- High Voltage Capability
- High Case Dielectric Strength
- High frequency
- High current
- Plastic Material has Underwriters Laboratory
- Flammability Classification 94V-O

Mechanical Data

• Case: Epoxy potting

• Terminals: Through Hole for #3 Screwer

Marking: Type NumberPolarity: Marked on Body

• Weight: 5.0 grams (approx.)

Maximum Ratings and Characteristics

Absolute Maximum Ratings

Leau Diameter 1.20		
◄ ——31(min)—— →	20(max)	
	10(max)	

Items	Symbols	Condition	2CLG10KV1.0A	Units
Repetitive Peak Renerse Voltage	V _{RRM}		10	kV
Average Output Current	lo	Ta=25°C,Resistive Load	1.0	A peak
Suege Current	I _{FSM}		30	A peak
Junction Temperature	T)		125	°C
Allowable Operation Case Temperature	Tc		125	°C
Storage Temperature	Tstg		-40 to +125	°C

• Electrical Characteristics (Ta=25°C Unless otherwise specified)

Items	Symbols	Conditions	2CLG10KV1.0A	Units
Maximum Forward Voltage Drop	VF	at 25°C,I _F =I _{F(AV)}	12	V
Maximum Reverse Current	IR1	at 25°C,V _R =V _{RRM}	5.0	uA
	IR2	at 100°C,VR =VRRM	50	uA
Maximum Reverse Recovery Time	Trr	at 25°C	80	nS
Junction Capacitance	Cj	at 25°C,V _R =0V,f=1MHz		pF

