



CL08/CL08T Series

8~35KV; 200~500mA; 60~100nS

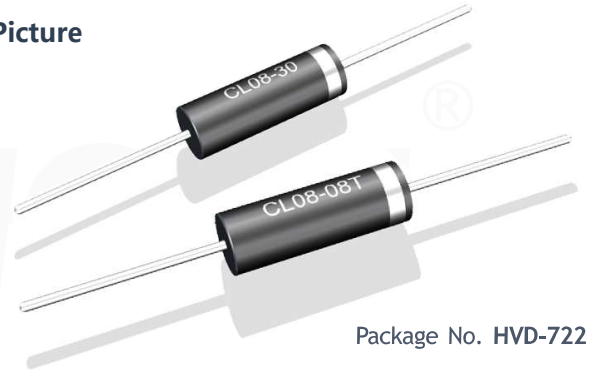
High Voltage Rectifier Diodes

High Current Fast Recovery High Voltage Rectifier Diodes

Product Features

- ▶ Axial leaded or Universal fixtures can also be used for connection
- ▶ High thermal conductivity epoxy compound molding.
- ▶ Fast reverse recovery time for high efficiency
- ▶ Ultra thick leads reliably pass through high currents
- ▶ Special layered high-temperature chips ensure reliable product operation

Picture



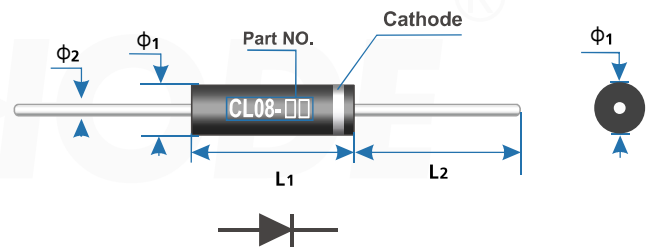
Package No. HVD-722

Main Parameters

Type Code	V _{RWM} (KV)	I _F (mA)	V _F (V)	I _{FSM} (A)	T _{RR} (nS)	I _{R1} /I _{R2} (uA)
CL08-08	8	500	12	20	100	2/20
CL08-08T	8	450	13	20	60	2/20
CL08-10	10	400	15	20	100	2/20
CL08-10T	10	350	16	20	60	2/20
CL08-12	12	350	18	20	100	2/20
CL08-12T	12	300	19	20	60	2/20
CL08-15	15	300	22	20	100	2/20
CL08-15T	15	250	23	20	60	2/20
CL08-18	18	300	24	20	100	2/20
CL08-18T	18	250	25	20	60	2/20
CL08-20	20	300	27	20	100	2/20
CL08-20T	20	250	28	20	60	2/20
CL08-25	25	200	32	20	100	2/20
CL08-30	30	200	38	20	100	2/20
CL08-35	35	200	45	20	100	2/20

Dimensions (mm/inch)

Fig.NO ①



Package Size Table

Unit(mm/inch)

Package Name	Φ ₁	L ₁	Φ ₂	L ₂	Fig.NO
HVD-722	7.5/0.3	22/0.87	1.2/0.05	24/0.95	①

About Tolerance: 【±0.2mm/0.01inch】 Except 【L2±0.5mm/0.02inch】

Other Characteristic Parameters & Test Conditions

PARAMETER NAME	SYMBOL	TEST CONDITIONS	UNIT
Max Peak Working Backward Voltage	V _{RWM}	T _A =25°C I _R = 2.0μA	KV
Average Forward Rectified Current	I _{F(AV)}	T _A =25°C In air	mA
Max Forward Peak Voltage	V _F	@ T _A =25°C I _F = I _F	V
Max Surge Forward Current	I _{FSM}	50Hz Half-sine Wave, Resistance load@T _{Break} =50°C	A
Max Reverse Recovery Time	T _{RR}	I _F = 0.5A; I _R = -1.0A; I _{RR} = -0.25A	nS
Max Reverse Peak Current	I _{R1} /I _{R2}	T _A = 25°C/100°C V _R =V _{RM}	uA
Junction Temperature(MAX)	T _J	-45°C~150°C	°C
Storage Temperature	T _{STG}	-45°C~125°C	°C