

NOTE:
 TO ORDER WITH QUICK DISCONNECT
 TERMINALS, REFER HV05-15-qd
 DURING ORDERING PROCESS.

FEATURES

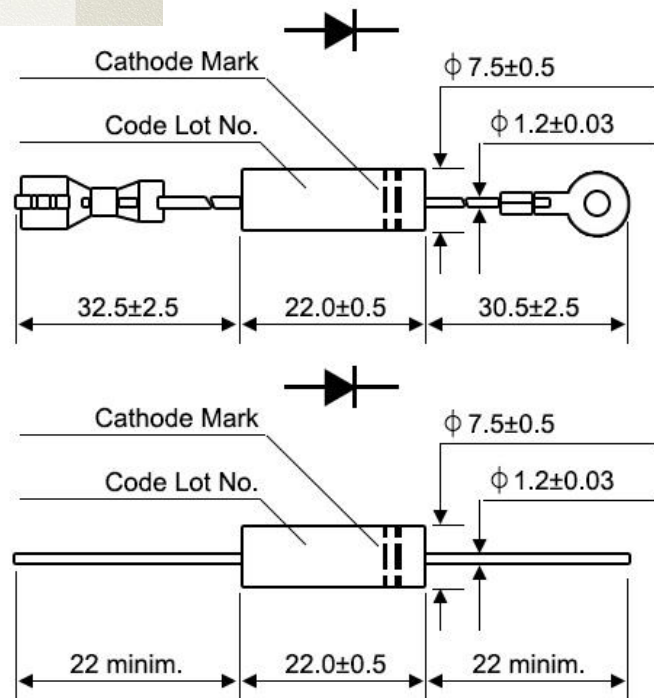
- Avalanche Breakdown Protection
- Low Forward Voltage Drop
- Typical IR less than 0.1 μ A
- High Overload Surge Capacity

ABSOLUTE MAXIMUM RATINGS

VRRM REPEATING PEAK REVERSE VOLTAGE (KV):	15
TJMAX MAX. JUNCTION TEMP.(°C):	120
TSTG STORAGE TEMP.(°C):	-40 TO +120
IO AVG. FORWARD CURRENT (MA):	550
IFSM FORWARD SURGE CURRENT (A):	44

ELECTRICAL CHARACTERISTICS

IR1 Normal temp. Reverse Current (MA):	5.0 MAX
IR2 High temp. Reverse Current (MA):	50 MAX
VF FORWARD VOLTAGE (V):	12 MAX



TEST CONDITIONS

- HIGH TEMP. REVERSE VOLTAGE @ 1000 HRS.: VRM=VRRM, F=50Hz, TAMB=100°C HALF SINE VOLTAGE WITH F=50Hz APPLIED, TAMB=100°C
- HIGH TEMP. STORAGE @ 1000 HRS.: TAMB=130±2°C
- SOLDERING RESISTANCE HEAT TEST: SOLDER TROUGH TEMP.: 350±10°C, DIP TIME: 3.5s ± 0.5s
- HIGH PRESSURE SMOKE TEST @ 10 HRS.: 120°C, 2 x 105PA
- INSULATION RESISTANCE TEST (1000M Ω): BETWEEN THE CENTER OF THE BODY AND TERMINAL (SEE FIG. 1)
- INSULATION STRENGTH TEST @ 10KV: 1 MIN. BETWEEN CENTER OF THE BODY AND TERMINAL. (FIG.1)
- LEAD BEND TEST: FORCE 10 N TO THE LEAD, BENT IT TO POS. AND neg. 90°
- LEAD PULL TEST: FORCE 70 N OF AXIAL TO THE LEAD FOR 1 MIN.

Insulation resistance test condition: Measure between A and B by using a DC 500V Insulation resistance tester

Insulation strength test condition: Apply half sine wave voltage with 10kV wave height between A and B in insulation liquid

