



Date: 09/04/2020

HC SERIES

MAIDA STYLE NUMBER D657ZOV181HC

MAIDA ITEM NUMBER 01-2092

CUSTOMER IBS

CUSTOMER P/N N/A

CONTACT Johnny Ma

VARISTOR SPEC SHEET

Electrical Specifications

Continuous AC Voltage	180	VAC
Continuous DC Voltage	230	VDC
Maximum DC Leakage @ 230 VDC	200	uA
Low Varistor Voltage Limit	255	VDC
High Varistor Voltage Limit	311	VDC
Nominal Varistor Voltage	283	VDC
Current for Varistor Voltage	1	mA
Maximum Clamp Voltage	465	V
Maximum Clamp Voltage Test Current	100	A
Peak Current Rating (1 Pulse)	15000	A
Peak Current Rating (2 Pulse)	12000	A
Energy Rating (8X20us)	293	J
Energy Rating (10X1000us)	293	J
Typical Capacitance	1700	pF
Impulse Response Time	< 50	ns
Minimum Hipot of Coating	2500	VDC
Minimum I.R. of Coating	1000	MΩ
Current/Energy Derating Above 85°C	-2.5	%/°C

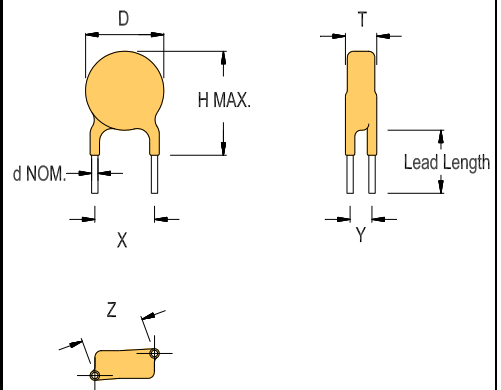
Thermal Specifications

Minimum Operating Temperature	-40	°C
Maximum Operating Temperature	85	°C
Varistor Voltage Temperature Coeff	-0.05	%/°C
Minimum Storage Temperature	-50	°C
Maximum Storage Temperature	125	°C
Recommended Solder Temperature	260	°C
Recommended Reflow Temperature	260	°C

Notes:

Physical Specifications

Lead Style	082J1
X Nominal	0.273 in.
X Tolerance	0.02 in.
Y Nominal	0.144 in.
Y Tolerance	0.02 in.
Z Nominal	0.309 in.
Z Tolerance	0.02 in.
Lead Length Nominal	0.157 in.
Lead Length Tolerance	±0.020 in.
d Nominal	0.032 in.
Wire Gauge	20 AWG
Minimum Marking	HZ181-20UL
Nominal Disk Size	20 mm
D Maximum	0.905 in.
T Maximum	0.22 in.
H Maximum	1.03 in.
Coating Type	EPOXY



* Contact Maida for a more detailed configuration drawing.

Safety Agency Recognitions

UL 1449 File Number	E321173
- Tested to Type:	5-5kA
C-UL File Number	E321173
CSA File Number	
VDE File Number	
SEV File Number	



www.maida.com

MAIDA DEVELOPMENT COMPANY

P.O. Box 3529

Hampton, Virginia 23663

Ph: (757) 723-0785 Fax (757) 722-1194