

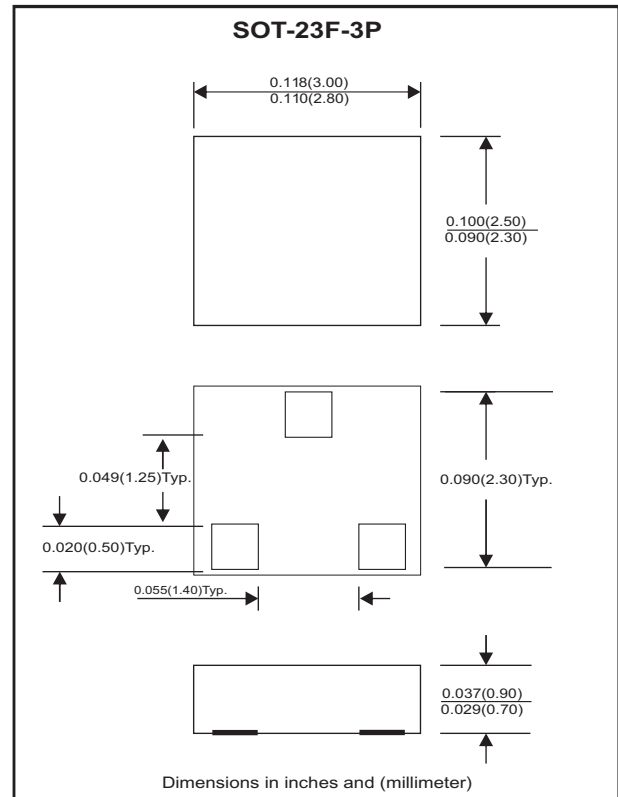
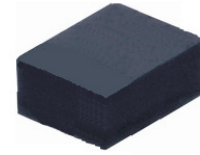
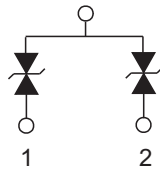
CPDTR035V0C-HF (RoHS Device)

Features

- Halogen free.
- Bi-directional ESD protection.
- IEC61000-4-2 8kV(Contact), 16kV(air).
- Surface mount package.
- Operating voltage: 5V.

Mechanical data

- Case: SOT-23F-3P standard package, molded plastic.
- Terminals: Gold plated, solderable per MIL-STD-750,method 2026.
- Marking Code: E05
- Mounting position: Any.
- Weight: 0.012 gram(approx.).



Electrical Characteristics (at TA=25 °C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Diode breakdown voltage	$I_R = 1\text{mA}$	V_{BD}	6.1	7.0		V
Leakage current	$V_R = 5\text{V}$	I_L		0.1	2.0	μA
Junction capacitance	$V_R = 0\text{V}, f = 1\text{MHz}$	C_T		25	30	pF
ESD capability	IEC 61000-4-2(air) IEC 61000-4-2(contact)	ESD			16 8	kV
Operation temperature		T_j			125	$^{\circ}\text{C}$
Storage temperature		T_{STG}	-55		150	$^{\circ}\text{C}$

RATING AND CHARACTERISTIC CURVES (CPDTR035V0C-HF)

Fig. 1 - Reverse characteristics

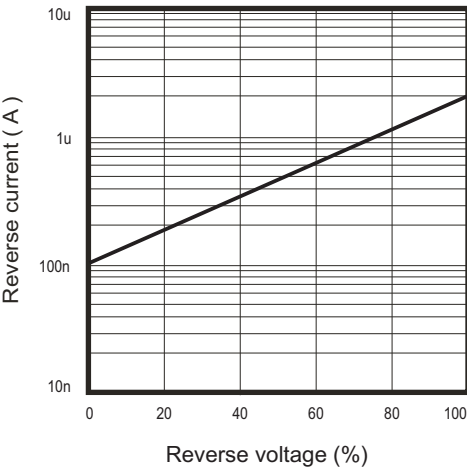


Fig. 2 - Capacitance between terminals characteristics

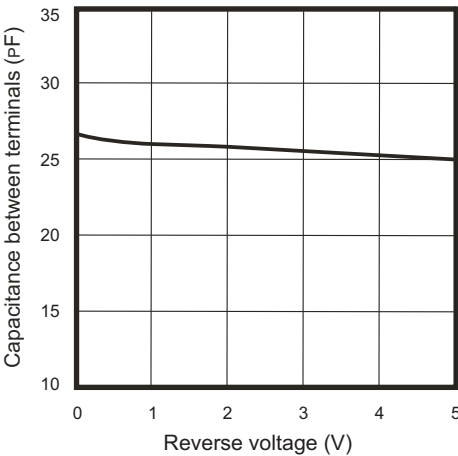
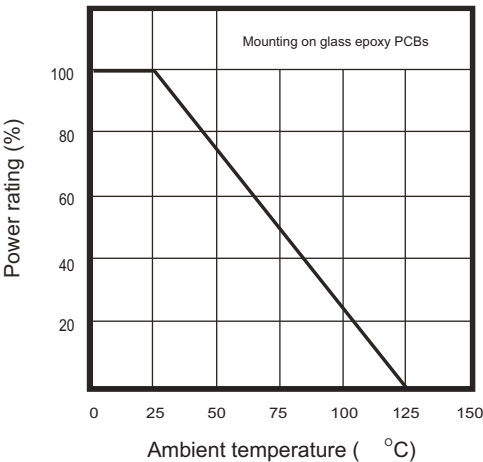


Fig. 3 - Power rating derating curve



REV:A
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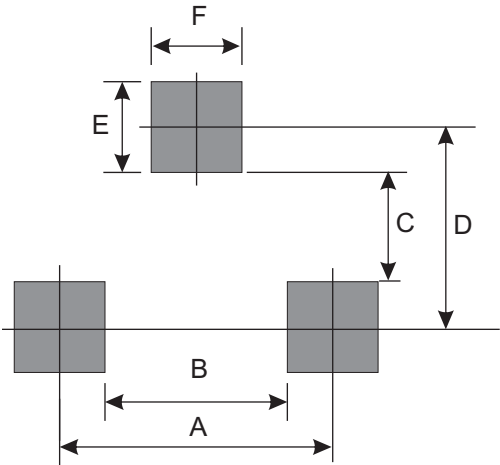
Marking Code

Part Number	Marking Code
CPDTR035V0C-HF	E05



Suggested PAD Layout

SIZE	SOT-23F-3P	
	(mm)	(inch)
A	1.90	0.075
B	1.10	0.043
C	0.90	0.035
D	1.70	0.067
E	0.80	0.031
F	0.80	0.031



Standard Package

Case Type	Qty Per Reel	Reel Size
	(Pcs)	(inch)
SOT-23F-3P	3000	7