

CPDFR Series(RoHs Device)

Features

(16kV) IEC 61000-4-2 rating.

Surface mount package.

High component density.

Mechanical data

Case: 1005(2512) standard package,
molded plastic.

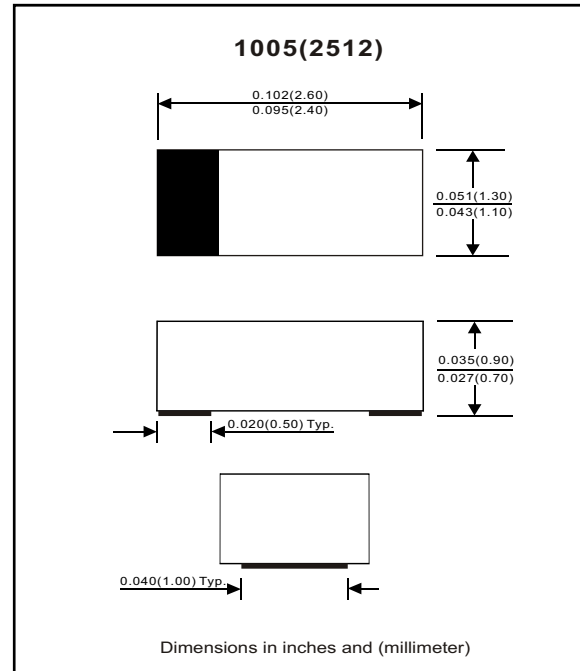
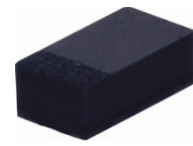
Terminals: Gold plated, solderable per
MIL-STD-750,method 2026.

Marking Code:

CPDFR5V0: E05
CPDFR12V: E12
CPDFR24V: E24
CPDFR36V: E36

Mounting position: Any

Weight: 0.006 gram(approx.).



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

Parameter		Conditions	Symbol	Min	Typ	Max	Unit
Diode breakdown voltage	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	I _F = 1mA	V _{BD}	5.1 14 25 38	7.0 17 28 40		V
Leakage current	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	5V 12V 24V 36V	I _L		±0.1	±2.0	uA
Capacitance	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	@ 1MHz	C _T		15 12 10 5	20 --- --- ---	pF
Channel clamp voltage	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	8kV event	V _{ESD}			± 7.0 ± 17 ± 25 ± 40	V
Peak ESD voltage capability	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	IEC 61000-4-2	V _{PV}			16	kV
Peak pulse current	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V	8 / 20 us	I _{PP} *			5.1 15 15 15	A
Package Power	CPDFR5V0 CPDFR12V CPDFR24V CPDFR36V		P			100	mW

* one diode conducting.

REV:A