

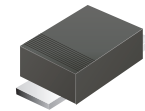
CDBMF260-HF

Reverse Voltage: 60 Volts

Forward Current: 2 Amp

RoHS Device

Halogen Free

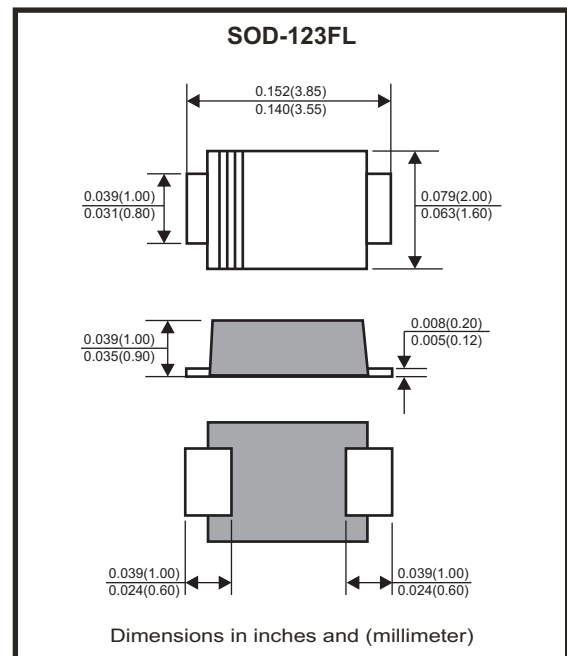


Features

- Ideal for surface mount applications.
- Easy pick and place.
- Plastic package has Underwriters Lab. Flammability Classification 94V-0
- Low forward voltage.
- Low leakage current.

Mechanical data

- Case: SOD-123FL, molded plastic.
- Terminals: Solderable per MIL-STD-750, method 2026.
- Polarity: Color band denotes cathode end
- Weight: 0.018 grams(approx.).



Circuit diagram



Maximum Rating (at $T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Conditions	Value	Unit
Repetitive peak reverse voltage	V_{RRM}		60	V
Reverse voltage	V_R		60	V
Average forward rectified current	I_o		2	A
Non-repetitive forward current surge peak	I_{FSM}	60Hz half sin wave, one cycle non-repetitive at $T_a=25^{\circ}\text{C}$	20	A
Operating junction temperature range	T_J		-40 to +150	$^{\circ}\text{C}$
Storage temperature range	T_{STG}		-55 to +150	$^{\circ}\text{C}$

Electrical Characteristics (at $T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage (Note 1)	V_F	$I_F = 2\text{A}$			0.65	V
Reverse current	I_R	$V_R = 60\text{V}$			75	μA

Notes: 1. Pulse test with $P_w=300\mu\text{sec}$, 1% duty cycle

RATING AND CHARACTERISTIC CURVES (CDBMF260-HF)

Fig.1 - Forward Current Derating Curve

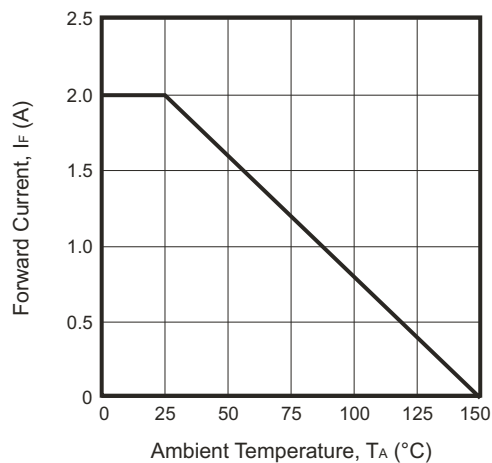


Fig.2 - Typical Forward Characteristics

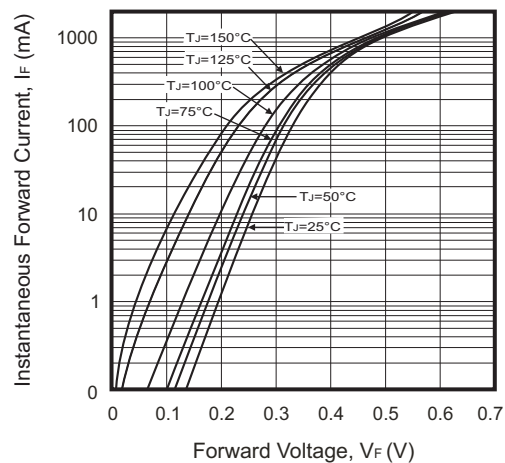


Fig.3 - Typical Reverse Characteristics

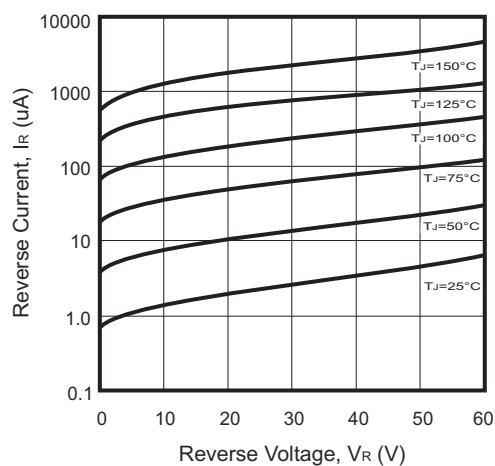
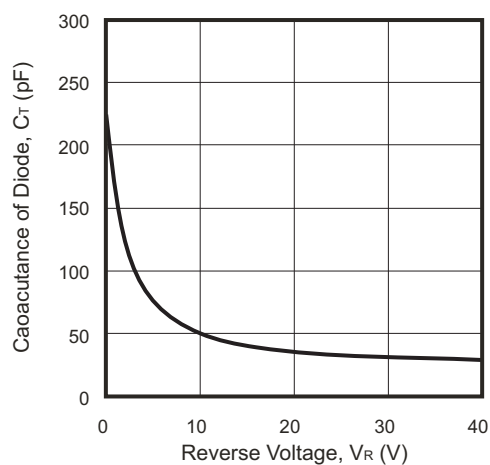
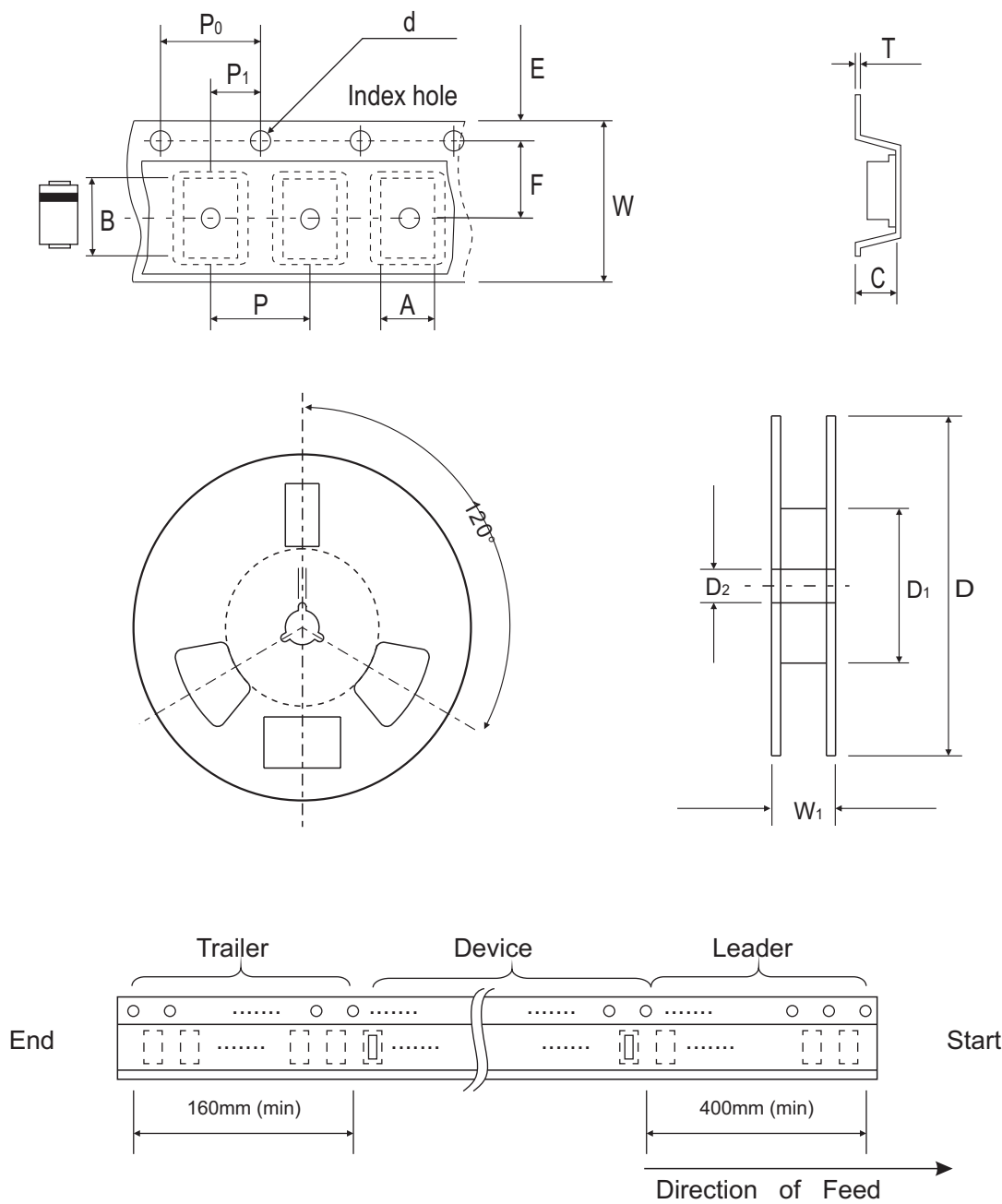


Fig.4 - Typical Capacitance of Diodes



Reel Taping Specification



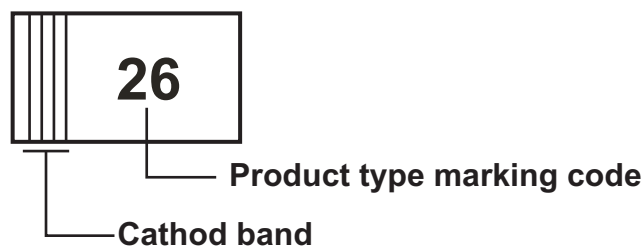
SOD-123FL	SYMBOL	A	B	C	d	D	D1	D2
	(mm)	2.00 ± 0.10	4.00 ± 0.10	1.45 ± 0.10	1.55 ± 0.10	178.00 MAX.	62.00 MIN.	13.00 ± 0.20
	(inch)	0.079 ± 0.04	0.157 ± 0.04	0.057 ± 0.04	0.061 ± 0.004	7.008 MAX.	2.441 MIN.	0.512 ± 0.008

SOD-123FL	SYMBOL	E	F	P	P0	P1	T	W	W1
	(mm)	1.75 ± 0.10	3.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.05	0.23 ± 0.10	8.00 ± 0.30	11.40 MIN.
	(inch)	0.069 ± 0.004	0.138 ± 0.002	0.157 ± 0.004	0.157 ± 0.004	0.079 ± 0.002	0.009 ± 0.004	0.315 ± 0.012	0.449 MIN.

Company reserves the right to improve product design , functions and reliability without notice.

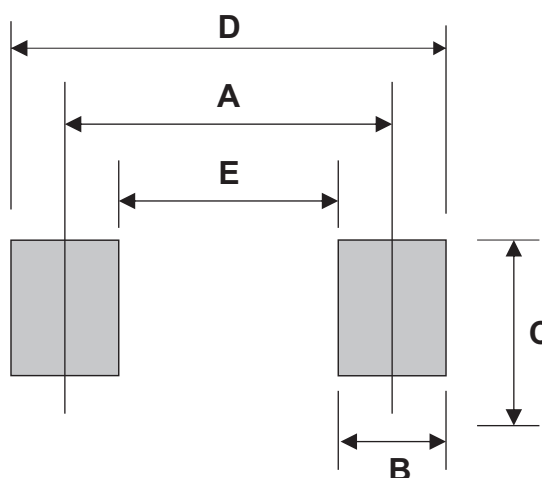
Marking Code

Part Number	Marking Code
CDBMF260-HF	26



Suggested PAD Layout

SIZE	SOD-123FL	
	(mm)	(inch)
A	3.47	0.137
B	0.78	0.031
C	1.22	0.048
D	4.25	0.167
E	2.70	0.106



Standard Packaging

Case Type	REEL PACK	
	REEL (pcs)	Reel Size (inch)
SOD-123FL	3,000	7