

Advanced Schottky Diode (SMD Type)

FEATURES

- Extremely low V_F
- Extremely thin package
- Low stored charge
- Majority carrier conduction

PART NUMBER

MEK 01 - 03 - D7 - G

① ② ③ ④ ⑤

SPECIFICATION

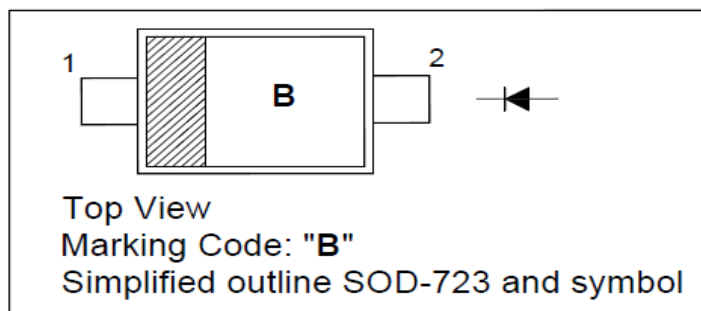
No.	Item	Symbol	Specification
①	Product Series	MEK	Advanced Schottky Barrier Diodes (SMD Type)
②	Operation Current	01	100mA
③	Peak Inverse Voltage	03	30V
④	Package	D7	SOD-723
⑤		G	Green(Halogen free)

DIMENSION

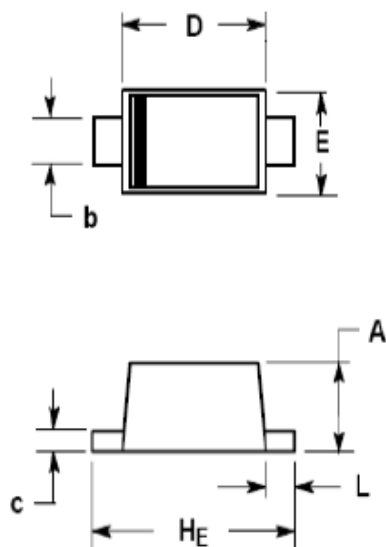
units : inches(mm)

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

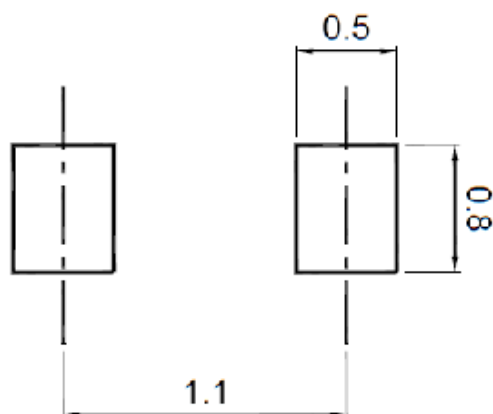


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DIM	MILLMETERS		
	MIN	MON	MAX
A	0.47	0.52	0.57
b	0.23	0.28	0.33
c	0.05	0.1	0.15
D	0.95	1.00	1.05
E	0.5	0.60	0.7
H _E	1.3	1.40	1.5
L	0.15	0.20	0.25

SOLDERING FOOTPRINT*



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOD-723	8	4 ± 0.1	0.157 ± 0.004	178	7	5,000

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Mechanical data

- Case: SOD-723
- Terminals: Solderable per MIL-STD 750 Method 2026
- Polarity: Cathode indicated by color band

Maximum ratings and electrical characteristic

- Ratings at 25°C ambient temperature unless otherwise specified

Ratings	Symbol	Limits	Units
Continuous Reverse Voltage	V_R	30	V
Operation Current	I_O	100	mA
Peak Forward Surge Current	I_{FSM}	500	mA
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	-40 to +125	°C

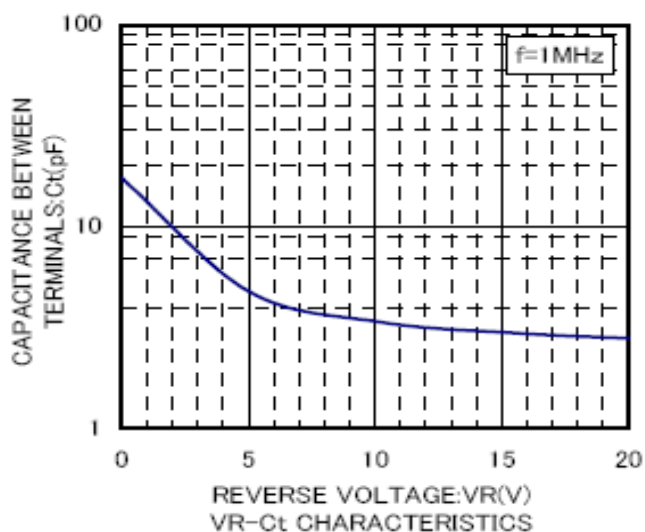
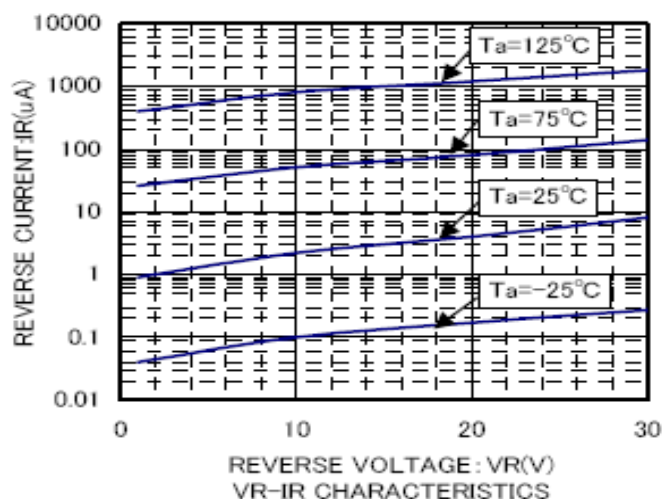
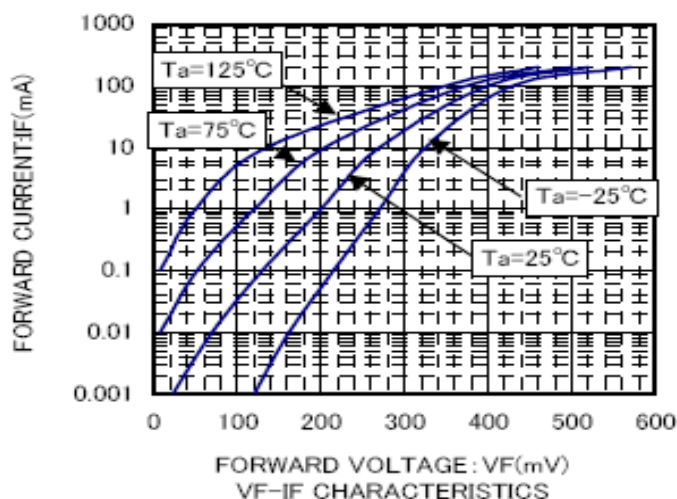
Electrical characteristics (At TA=25°C unless otherwise noted)

Characteristics	Symbol	Maximum	Units
Maximum forward voltage at $I_F=10\text{mA}$	V_F	0.35	V
Maximum reverse current at $V_R=10\text{V}$	I_R	10	μA



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Electrical characteristic curves (Ta=25°C)



DCC
正式発行