

## Switching diode

DAN222M

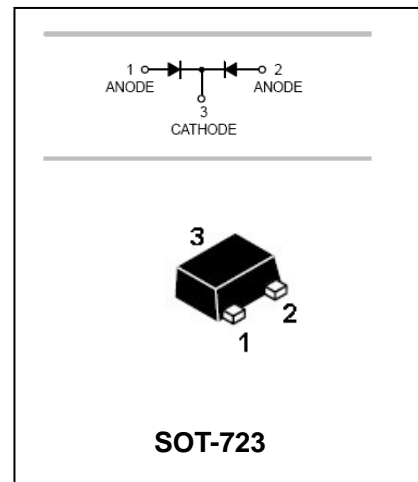
### FEATURES

- Ultra High speed switching.



### APPLICATIONS

- Ultra small mold type.
- High reliability.



### ORDERING INFORMATION

Type No.	Marking	Package Code
DAN222M	N	SOT-723

### MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Non-Repetitive Peak reverse voltage	$V_{RM}$	80	V
Diode reverse voltage	$V_R$	80	V
Forward continuous Current (peak)	$I_F$	300	mA
Average forward current	$I_O$	100	mA
Surge current ( $t=1\mu s$ )	$I_{surge}$	4	A
Power Dissipation	$P_d$	150	mW
Junction temperature	$T_j$	150	°C
Storage temperature range	$T_{stg}$	-55 to +150	°C

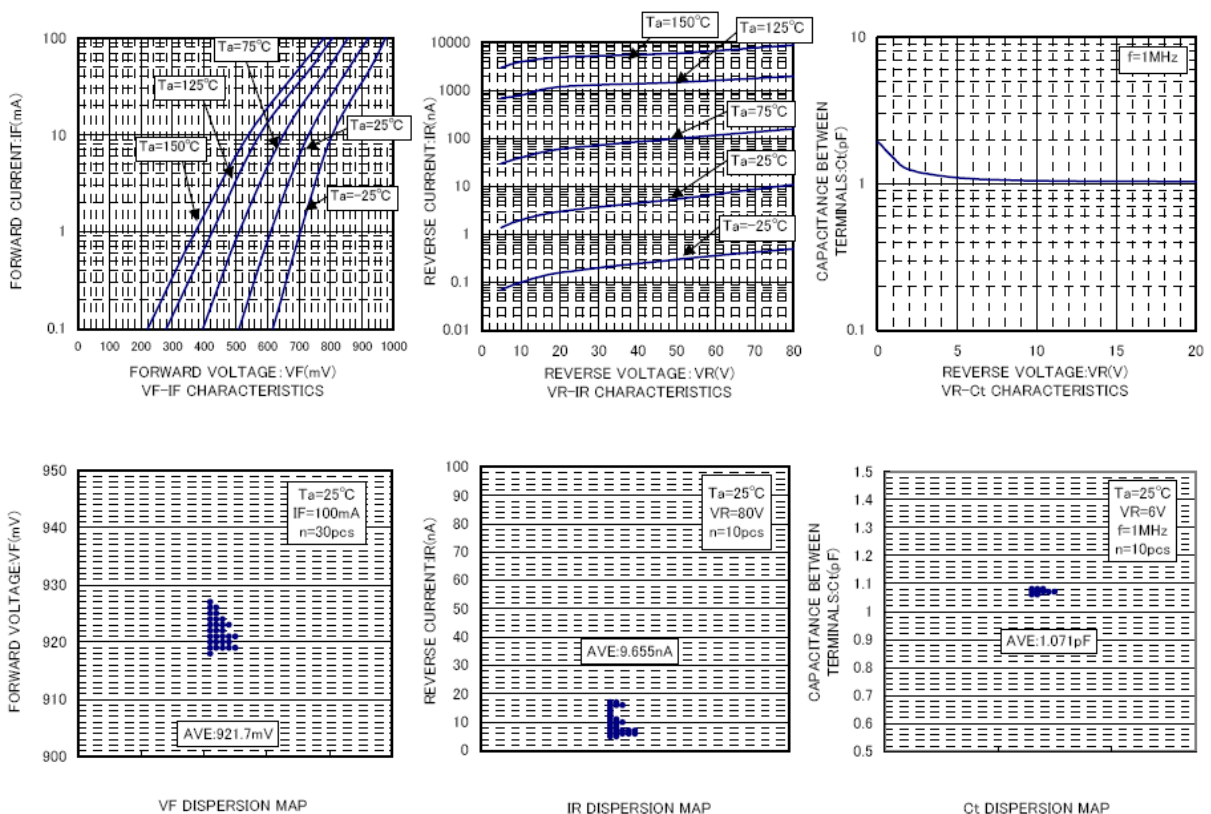
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ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R = 0.1\mu A$	80		V
Reverse voltage leakage current	$I_R$	$V_R = 70V$		0.1	$\mu A$
Forward voltage	$V_F$	$I_F = 100mA$		1.2	V
Diode capacitance	$C_D$	$V_R = 6V$ $f = 1MHz$		3.5	pF
Reverse recovery time	$t_{rr}$	$V_R = 6V, I_F = 5mA,$ $RL = 50\Omega$		4	nS

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



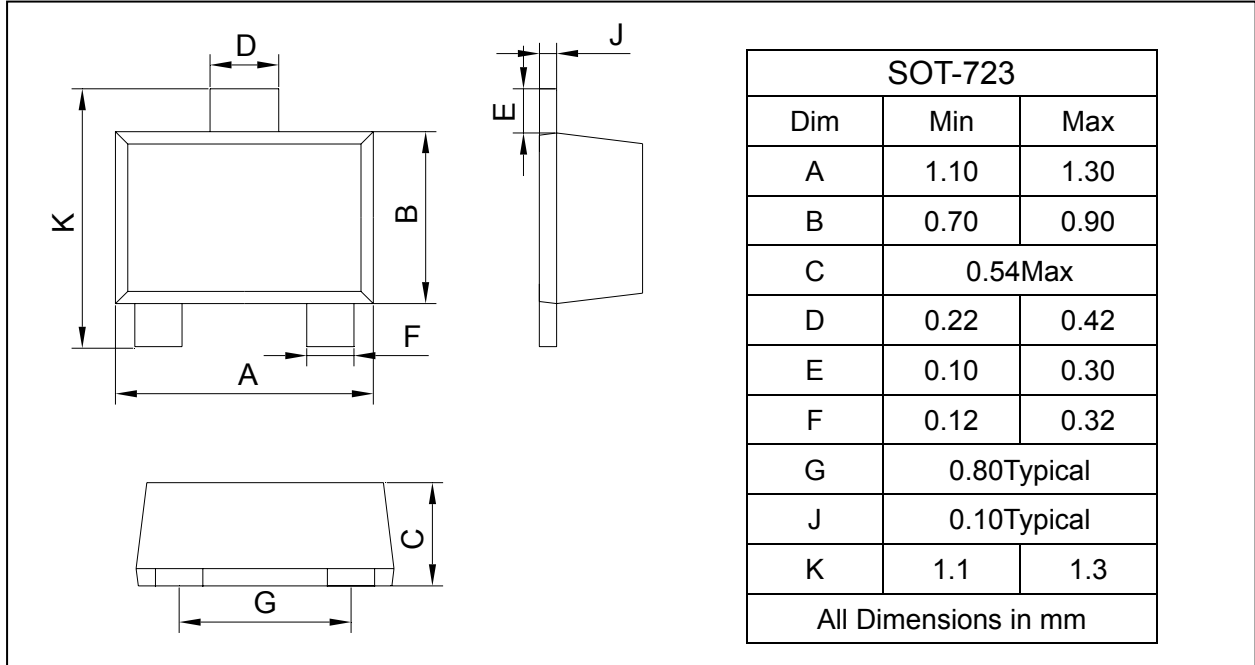
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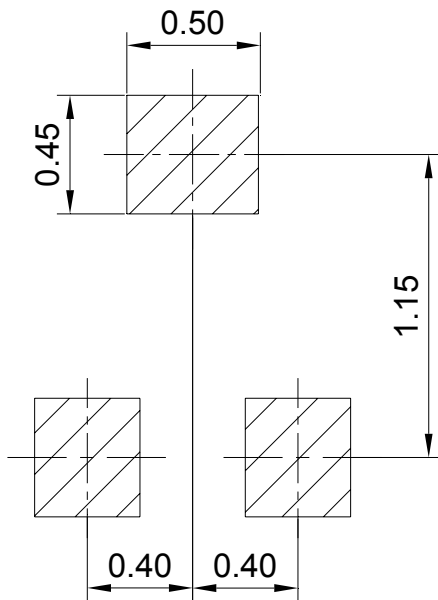
PACKAGE OUTLINE

Plastic surface mounted package

SOT-723



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
DAN222M	SOT-723	10000/Tape&Reel