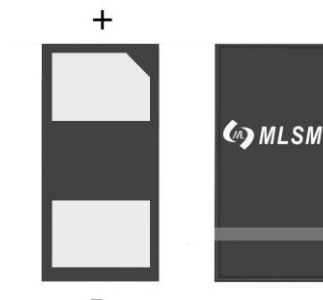


Features

- Low leakage current applications
- Medium speed switching times



DFN0603-2L top view



Schematic diagram



Halogen-Free

Maximum Ratings @T_a=25°C

Symbol	Parameter	Value	Unit
V _{RRM}	Peak Repetitive Peak Reverse Voltage	75	V
V _{RWM}	Working Peak Reverse Voltage		
V _R	DC Reverse Voltage		
I _{FM}	Forward Continuous Current	100	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @t=8.3ms	2	A
P _D	Power Dissipation	100	mW
T _J , T _{STG}	Operating and Storage Temperature Range	-55~ +150	°C

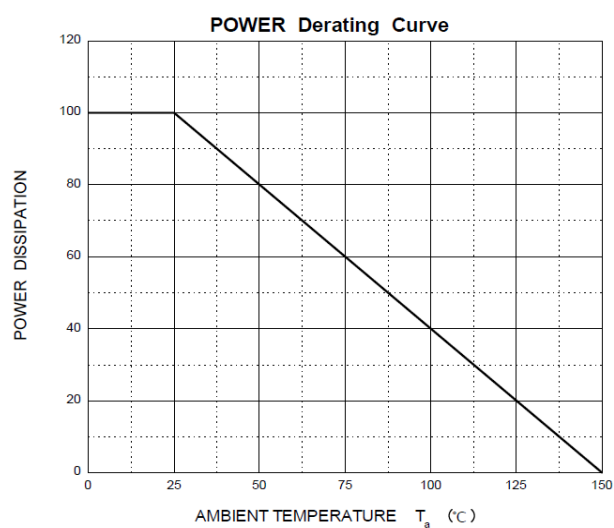
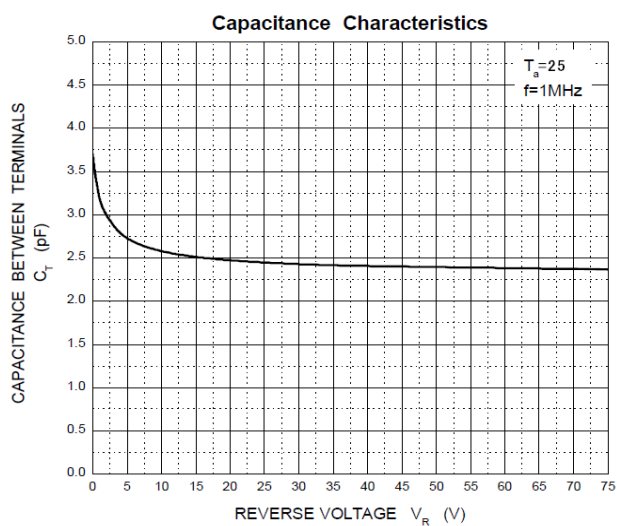
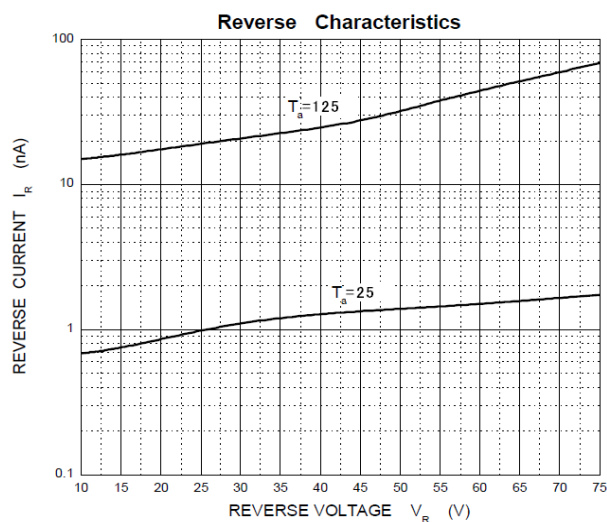
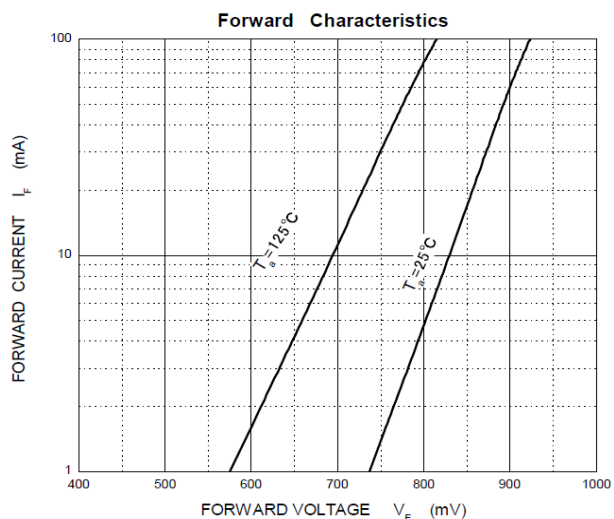
Electrical Characteristics @T_a=25°C

Symbol	Parameter	Condition	Min	Typ	Max	Unit
V _(BR)	Reverse breakdown voltage	I _F =100mA	75	--	--	V
V _{F1}	Forward voltage	I _F =1mA	--	--	0.9	V
V _{F2}		I _F =10mA	--	--	1	
V _{F3}		I _F =50mA	--	--	1.1	
V _{F4}		I _F =150mA	--	--	1.25	
I _R	Reverse current	V _R =75V	--	--	5	nA
C _{tot}	Capacitance between terminals	V _R =0V, f=1MHz	--	3.5	--	pF
t _{rr}	Reverse recovery time	I _F =I _R =10mA, I _{rr} =0.1×I _R , R _L =100Ω	--	--	3	μs

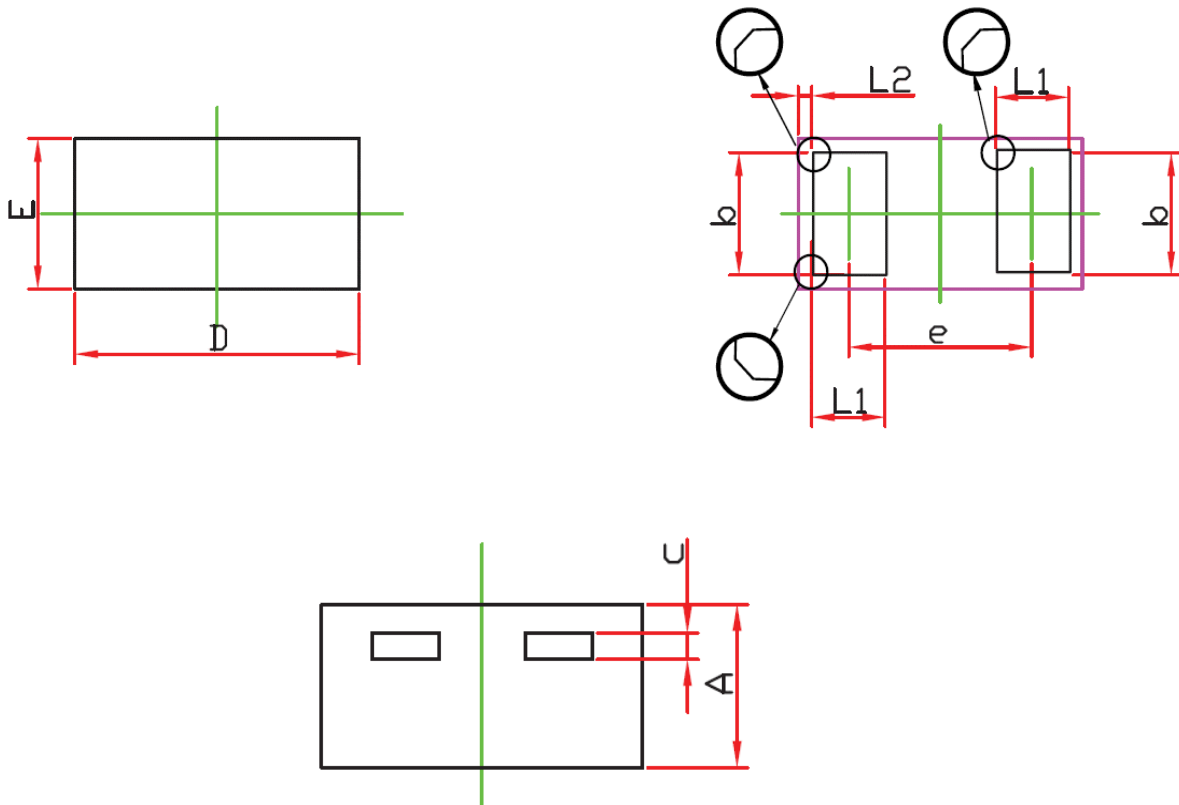
Ordering Information (Example)

Type	Package	Marking	Minimum Package(pcs)	Inner Box Quantity(pcs)	Outer Carton Quantity(pcs)	Delivery Mode
DK116EAA02	DFN0603-2L	JV	10,000	150,000	600,000	7"reel

Typical Operating Characteristics



DFN0603-2L Package information



Symbol	Dimensions in Millimeters(mm)		Dimensions In Inches	
	Min	Max	Min	Max
A	0.270	0.340	0.010	0.013
D	0.550	0.670	0.021	0.026
E	0.250	0.370	0.009	0.015
b	0.200	0.350	0.008	0.014
c	0.050 REF.		0.002 REF.	
e	0.350	0.435	0.014	0.017
L1	0.125	0.230	0.005	0.009
L2	0.030 REF.		0.001 REF.	