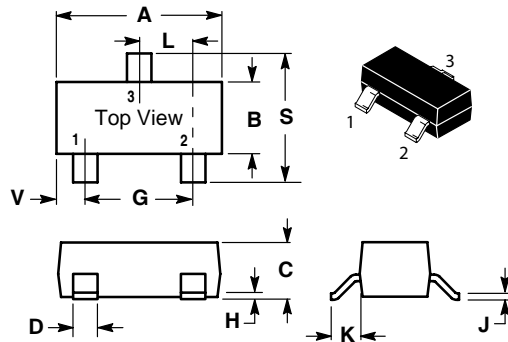


RoHS Compliant Product

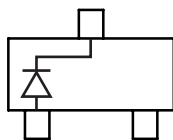
A suffix of "-C" specifies halogen & lead-free

FEATURES

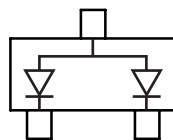
- Low forward voltage
- Fast switching



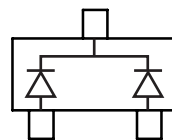
SOT-23		
Dim	Min	Max
A	2.800	3.040
B	1.200	1.400
C	0.890	1.110
D	0.370	0.500
G	1.780	2.040
H	0.013	0.100
J	0.085	0.177
K	0.450	0.600
L	0.890	1.020
S	2.100	2.500
V	0.450	0.600
All Dimension in mm		



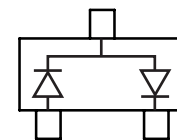
CMPSH-3
Marking: D95



CMPSH-3A
Marking: DB1



CMPSH-3C
Marking: DB2



CMPSH-3S
Marking: DA5

MAXIMUM RATINGS @ T_A = 25 °C

Parameter	Symbol	Limits	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Working peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Forward Continuous Current	I _{FM}	100	mA
Power Dissipation	P _D	350	mW
Thermal Resistance	R _{θJA}	357	°C/W
Junction and Storage Temperature	T _J , T _{STG}	150, -55 ~ 150	°C

ELECTRICAL CHARACTERISTICS (T_{amb} = 25°C unless otherwise specified)

Parameter	Symbol	Conditions	Min	Max	Unit
Reverse Breakdown Voltage	V _(BR)	I _R = 100 μA		30	V
Reverse Voltage Leakage Current	I _R	V _R = 25 V, T _A = 25 °C		500	nA
		V _R = 25 V, T _A = 100 °C		100	μA
Forward Voltage	V _F	I _F = 2 mA		0.33	V
		I _F = 15 mA		0.45	
		I _F = 100 mA		1	
Diode Capacitance	C _{tot}	V _R = 1V, f = 1MHz	7		pF
Junction and Storage Temperature	t _{ff}	I _F = I _R = 10mA I _{RR} = 1mA, R _L = 100Ω		5	Ns

ELECTRICAL CHARACTERISTICS CURVES

