



Micro Commercial Components

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SMD22PL THRU SMD26PL

Features

- High Surge Capability
- Low Forward Voltage
- Low Profile Package

Mechanical Data

- Packaging: Powerlite-123
- Marking Code : SMD22PL---M2
SMD24PL---M4
SMD26PL---M6

Maximum Ratings

Symbol	Rating	Rating	Unit
V_R	Maximum RMS Voltage	SMD22PL 14 SMD24PL 28 SMD26PL 42	V
	Repetitive Peak Reverse Voltage	SMD22PL 20 SMD24PL 40 SMD26PL 60	V
	Rectified Current (Average) Half Wave Rectification with Resist. Load at $T_L=90^{\circ}\text{C}$	2.0	A
I_{FSM}	Surge Forward Current, half sine wave 8.3ms	50	A
$R_{\theta JL}$	Typical Thermal Resistance ⁽¹⁾	80	$^{\circ}\text{C} / \text{W}$
T_J	Junction Temperature	-65 to +125	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	-65 to +125	$^{\circ}\text{C}$

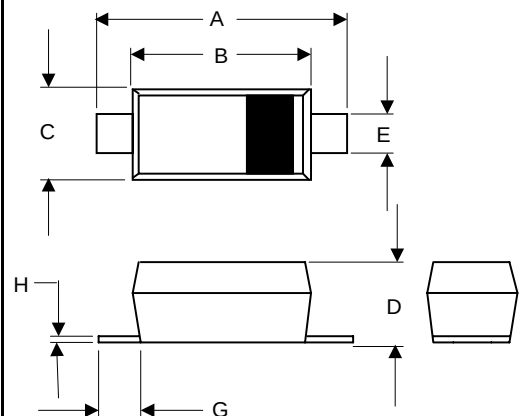
Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
V_F	Forward Voltage (@2A dc)	---	---	0.50	V
		---	---	0.50	
		---	---	0.70	
I_R	Maximum DC Reverse Current	---	---	0.5	mA
C_j	Typical Junction Capacitance @f=1.0MHz, Vr=4V	---	210	---	pF

Tnote: Thermal Resistance: PC Board Mounted on 0.2*0.2" (5*5mm) copper pad area.

Schottky Barrier Diodes 20 to 60 Volts

Powerlite-123



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.112	2.55	2.85	
C	.055	.071	1.40	1.80	
D	.037	.053	0.95	1.35	
E	.020	.039	0.50	1.00	
G	.010	----	0.25	----	
H	----	.008	----	.20	

SUGGESTED SOLDER PAD LAYOUT

