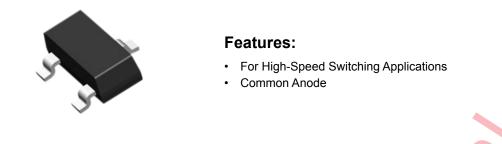
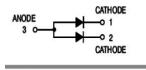
Surface Mount Switching Diode

Applications:

High speed switching application

multicomp







Max. Rating @ T_A = 25°C unless otherwise specified

Symbol	Limits	Unit
VRM	100	V
VRRM VRMS VR	75	V
١F	300	mA
Ігѕм	2 1	А
Po	350	mW
R _{θJA}	357	°C/W
Тј	150	С°
Тятд	-65 to +150	°C
	VRM VRMS VR IF IFSM PD R _{0JA} Tj	$\begin{tabular}{ c c c c c } \hline V_{RM} & 100 \\ \hline V_{RMS} & 75 \\ \hline V_R & 75 \\ \hline V_R & 2 \\ \hline I_F & 300 \\ \hline I_{FSM} & 2 \\ 1 \\ \hline PD & 350 \\ \hline R_{\theta JA} & 357 \\ \hline T_j & 150 \\ \hline \end{tabular}$

Electrical Characteristics @ TA = 25°C unless otherwise specified

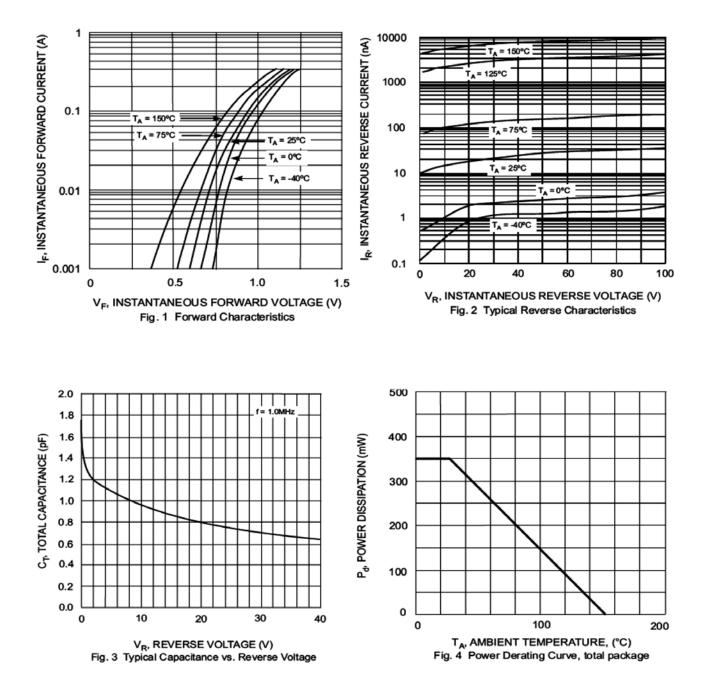
Parameter	Symbol	Conditions	Min.	Max.	Unit
Reverse breakdown voltage	V(br)r	Ικ = 2.5μΑ	75	-	V
Forward voltage	VF	IF = 1mA IF = 10mA IF = 50mA IF = 150mA	-	715 855 1,000 1,250	V
Reverse leakage current	lr	V _R = 75V V _R = 20V	-	2.5 25	μA nA
Diode capacitance	CD	Vr =0V, f=1MHz	-	2	pF
Reverse recovery time	trr	IF = IR = 10mA, Irr = 0.1 × IR, RL = 100Ω	-	4	ns

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Typical Characteristics @ TA = 25°C unless otherwise specified

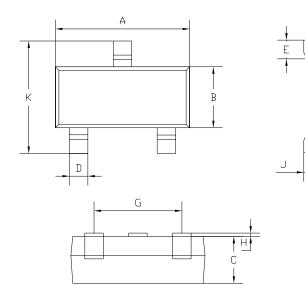


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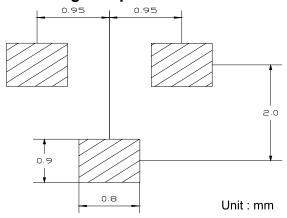


Plastic surface mounted package



	SOT-23		
Dim	Min	Max	
А	2.85	2.95	
В	1.25	1.35	
С	1 Typical		
D	0.37	0.43	
E	0.35	0.48	
G	1.85	1.95	
Н	0.02	0.1	
J	0.1Typical		
К	2.35	2.45	
All Dimensions in mm			

Soldering Footprint



Package Information

Device	Package	Shipping
BAW56-7-F	SOT-23	3,000 / Tape & Reel

Part Number Table

Description	Part Number	
Surface mount switching diode	BAW56-7-F	

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