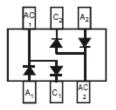


BAS40TW-7-F



BAS40DW-04-7-F

Features:

- · Fast Switching
- · Low Forward Voltage Drop
- Ultra-Small Surface Mount Package
- PN Junction Guard Ring for Transient and ESD Protection

SOT-363

Maximum Ratings:

Ratings at 25°C unless otherwise specified.

Characteristics	Symbol	Value	Unit
RMS reverse voltage	VR(RMS)	28	V
Peak repetitive reverse voltage Working peak reverse voltage DC reverse voltage	VRRM VRWM VR	40	V
Forward continuous current	Іғм	200	mA
Average rectified output current	lo	1	А
Non-repetitive peak forward surge current at t <1µs	IFSM	0.6 1	А
Power dissipation	Po	200	mW
Thermal resistance junction to ambient	Røja	625	°C/W
Storage temperature	Тj, Tsтg	-55 to +150	°C





Electrical Characteristics:

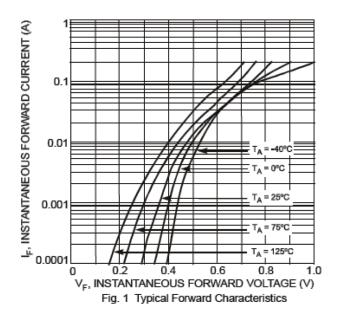
Ratings at 25°C unless otherwise specified

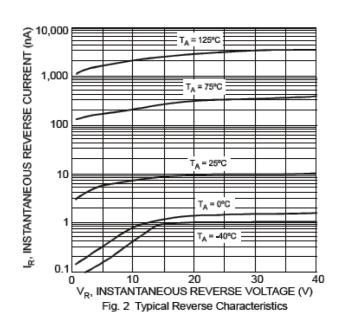
Parameter	Symbol	Min.	Max.	Unit	Test Condition
Reverse breakdown voltage	V(BR)R	40	1	V	I _R =10μA
Forward voltage	VF	-	0.38 1	V	IF=1mA IF=40mA
Reverse current	lr	-	200	nA	V _R =30V
Total capacitance	Ст	-	5	pF	V _R =0V, f=1MHz
Reverse recovery time	Trr	-	5	nS	I _F =I _R =10mA, I _{II} =0.1 × I _R ,R _L =100Ω

Page <2>

Typical Characteristics:

T_A = 25°C unless otherwise specified

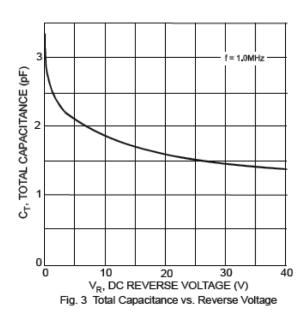


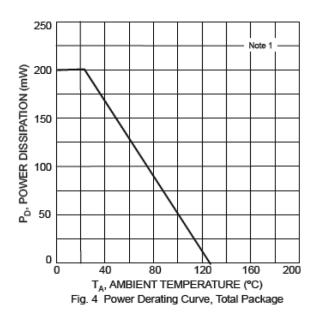






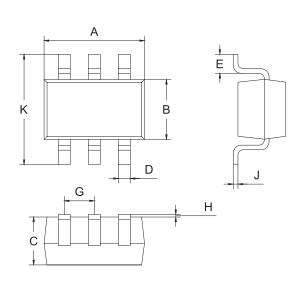






Package Outline:

Plastic surface mounted package



SOT-363				
Dim.	Min.	Max.		
А	2	2.2		
В	1.55	1.35		
С	0.95 Typ.			
D	0.25 Typ.			
Е	0.25	0.4		
G	0.6	0.7		
Н	0.02	0.1		
J	0.1 Typ.			
K	2.2	2.4		

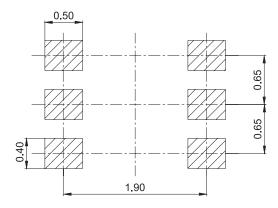
Dimensions : Millimetres







Soldering Footprint:



Dimensions: Millimetres

Package Information:

Device	Package	Shipping
BAS40TW-7-F & BAS40DW-04-7-F	SOT-363	3,000 / Tape & Reel

Part Number Table

Description	Part Number	
Curfees Maurit Cahattlu Parriar Diada	BAS40TW-7-F	
Surface Mount Schottky Barrier Diode	BAS40DW-04-7-F	

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